

Inventor Search

#2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001008707	A2	20010208	WO 2000-EP6936	20000720
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	DE 19935302	A1	20010208	DE 1999-19935302	19990728
PRAI	DE 1999-19935302	A	19990728		

AB The invention relates to **conjugates**, methods for their prodn., and to the use of these **conjugates** for transporting low mol. wt. compds. and macromols. across biol. **membranes**, in particular, for transporting mols. into cells. The invention also relates to medicaments, diagnostic agents and test kits in which these **conjugates** are present or introduced.

RL: BPR (Biological process); PEP (Physical, engineering or chemical process); PNU (Preparation, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(**conjugates** for transporting mols. across biol. membranes)

[illegible]

Page 1

RN 325760-02-9 HCAPLUS
CN DNA, d(D-G-C-G-A-C-G-C-C-A-T-G-A-C-G-G) (9CI) (CA INDEX NAME)

RN 325760-03-0 HCAPLUS
CN DNA, d(D-C-G-A-C-G-C-C-A-T-G-A-C) (9CI) (CA INDEX NAME)

RN 325760-04-1 HCAPLUS
CN DNA, d(D-A-T-G-A-C-G-G-A-A-T-T-C) (9CI) (CA INDEX NAME)

RN 325760-05-2 HCAPLUS
CN DNA, d(D-T-A-T-T-C-C-G-T-C-A-T) (9CI) (CA INDEX NAME)

[illegible][illegible]

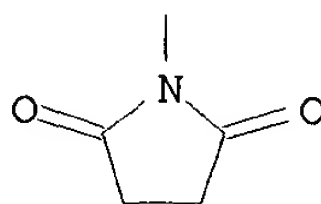
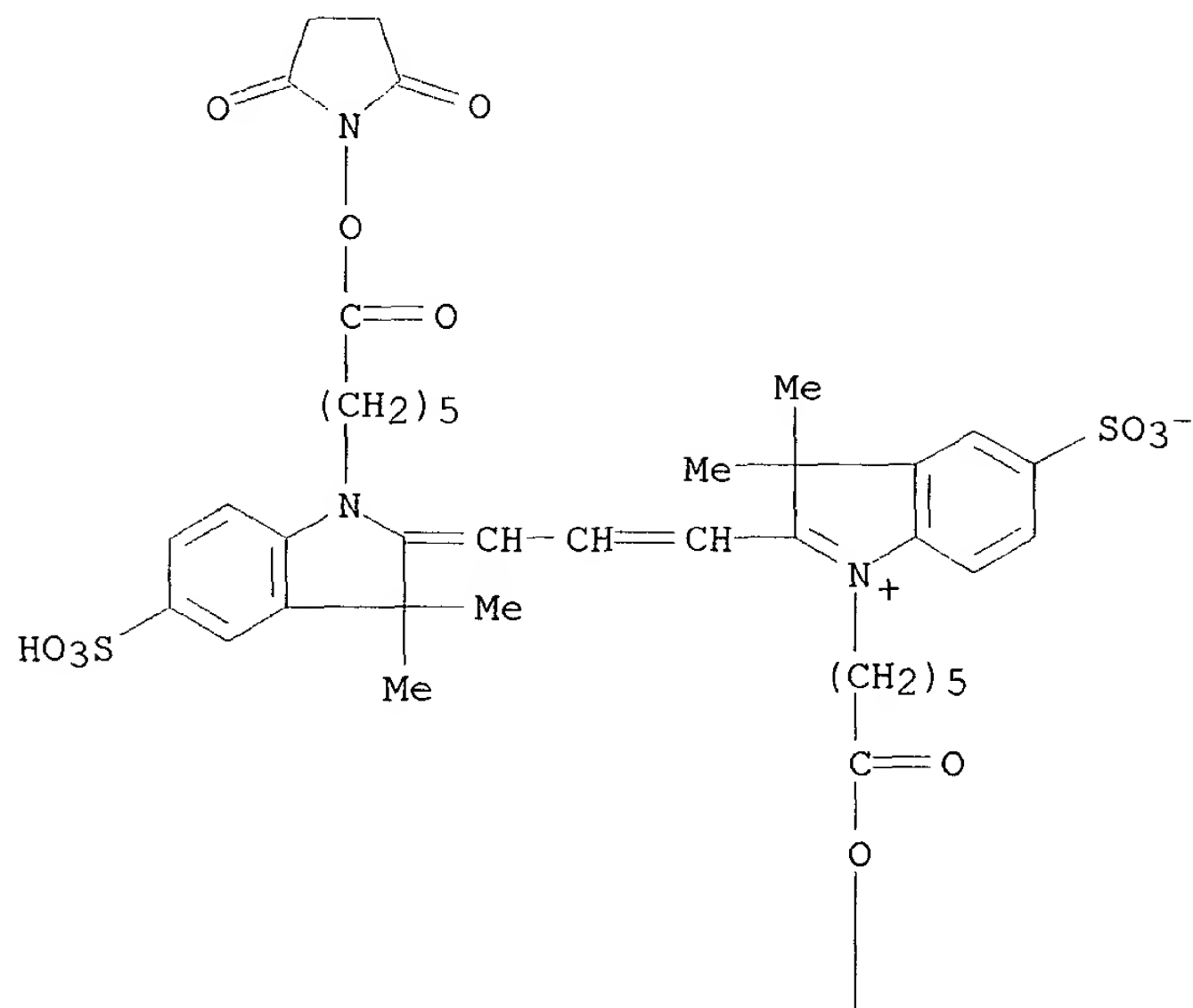
RN 325760-08-5 HCAPLUS
CN DNA, d(T-T-C-C-A-T-G-G-T-G-G-C) (9CI) (CA INDEX NAME)

RN 325760-09-6 HCAPLUS
CN DNA, d(T-T-C-A-C-T-G-T-G-G-G-C) (9CI) (CA INDEX NAME)

RN 325760-10-9 HCAPLUS
CN DNA, d(T-G-G-C-G-C-C-G-G-G-C-C) (9CI) (CA INDEX NAME)

IT **146397-20-8D**, Cy3, **conjugate** with oligonucleotides
 RL: BPR (Biological process); PEP (Physical, engineering or chemical
 process); THU (Therapeutic use); BIOL (Biological study); PROC (Process);
 USES (Uses)
 (transport of; **conjugates** for transporting mols. across biol.
membranes)

Page 2



IT 104053-06-7 110616-00-7 116364-61-5
 121938-12-3 121962-43-4 131593-63-0
 146216-12-8 147655-52-5 147786-19-4
 153426-37-0 155002-55-4 155002-57-6
 161415-79-8 161415-81-2 163665-40-5
 164910-61-6 165447-62-1 166436-80-2
 173432-53-6 173432-56-9 173432-57-0
 173432-58-1 173432-59-2 173432-60-5
 173432-61-6 173432-62-7 173432-63-8
 173432-67-2 173432-68-3 173432-69-4
 173432-70-7 173432-71-8 188134-42-1
 188704-72-5 246223-25-6 259082-59-2
 259082-61-6 259082-72-9 259082-73-0
 259082-74-1 259082-78-5 259082-79-6
 259082-80-9 259082-81-0 259082-82-1
 259082-83-2 259082-97-8 259083-00-6
 259083-01-7 325761-26-0 325761-27-1
 325761-28-2, 5: PN: WO0108707 SEQID: 23 unclaimed DNA
 325761-29-3

RL: PRP (Properties)

(unclaimed nucleotide sequence; **conjugates** and methods for the prodn. thereof for transporting mols. across biol. membranes)

RN 104053-06-7 HCAPLUS

CN Guanosine, 2'-deoxyadenylyl-(3'.fwdarw.5')-2'-deoxycytidylyl-(3'.fwdarw.5')-2'-deoxyadenylyl-(3'.fwdarw.5')-2'-deoxycytidylyl-(3'.fwdarw.5')-2'-deoxycytidylyl-(3'.fwdarw.5')-2'-deoxyadenylyl-(3'.fwdarw.5')-2'-deoxyadenylyl-(3'.fwdarw.5')-thymidylyl-(3'.fwdarw.5')-thymidylyl-(3'.fwdarw.5')-2'-deoxycytidylyl-(3'.fwdarw.5')-thymidylyl-(3'.fwdarw.5')-2'-deoxyguanylyl-(3'.fwdarw.5')-2'-deoxyadenylyl-(3'.fwdarw.5')-2'-deoxyadenylyl-(3'.fwdarw.5')-2'-deoxyadenylyl-(3'.fwdarw.5')-thymidylyl-(3'.fwdarw.5')-2'-deoxyguanylyl-(3'.fwdarw.5')-2'-deoxy- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 110616-00-7 HCAPLUS

CN Adenosine, thymidylyl-(5'.fwdarw.3')-2'-deoxyadenylyl-(5'.fwdarw.3')-2'-deoxycytidylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxyadenylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxycytidylyl-(5'.fwdarw.3')-2'-deoxyadenylyl-(5'.fwdarw.3')-2'-deoxy- (9CI) (CA INDEX NAME)

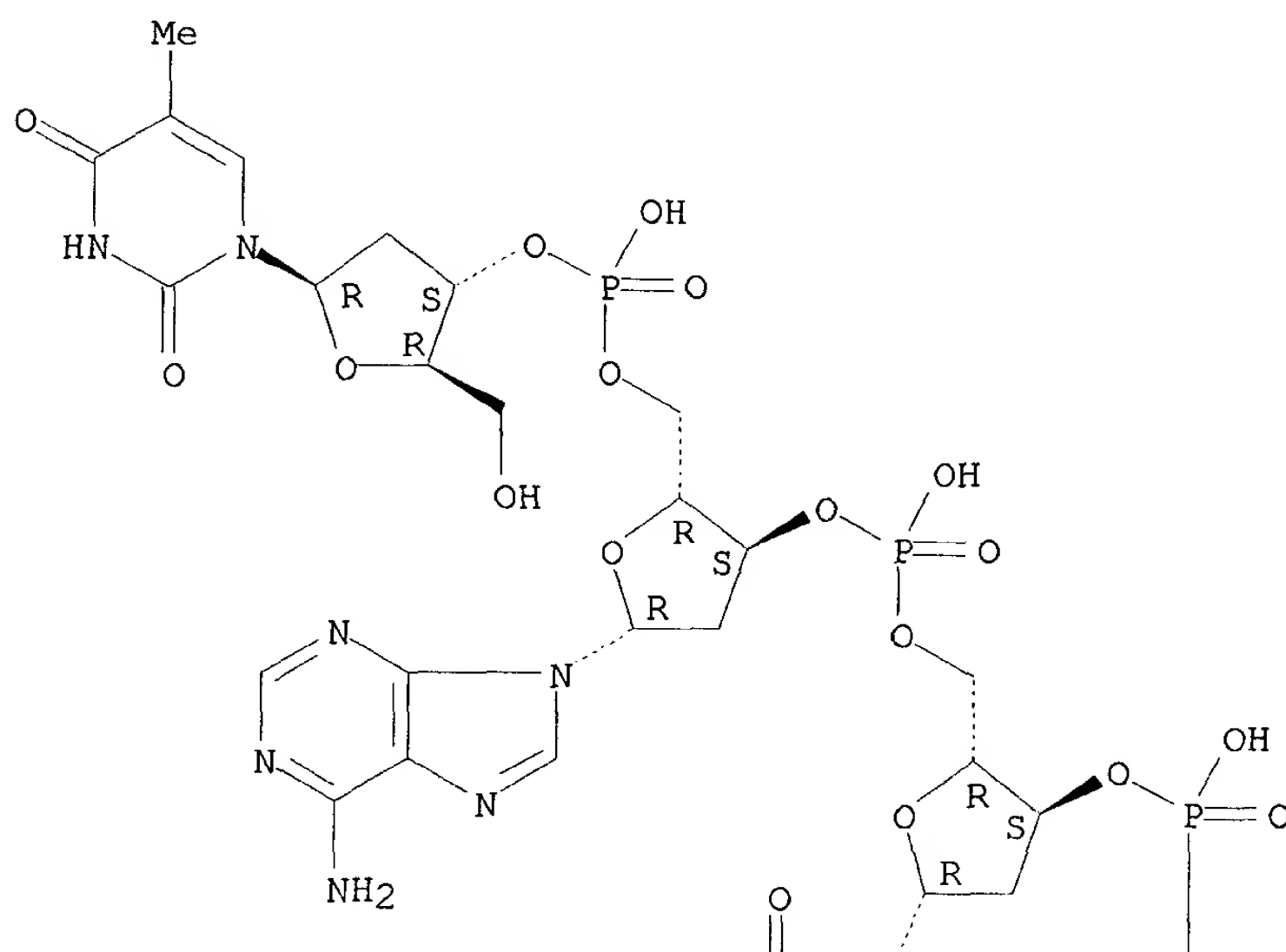
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

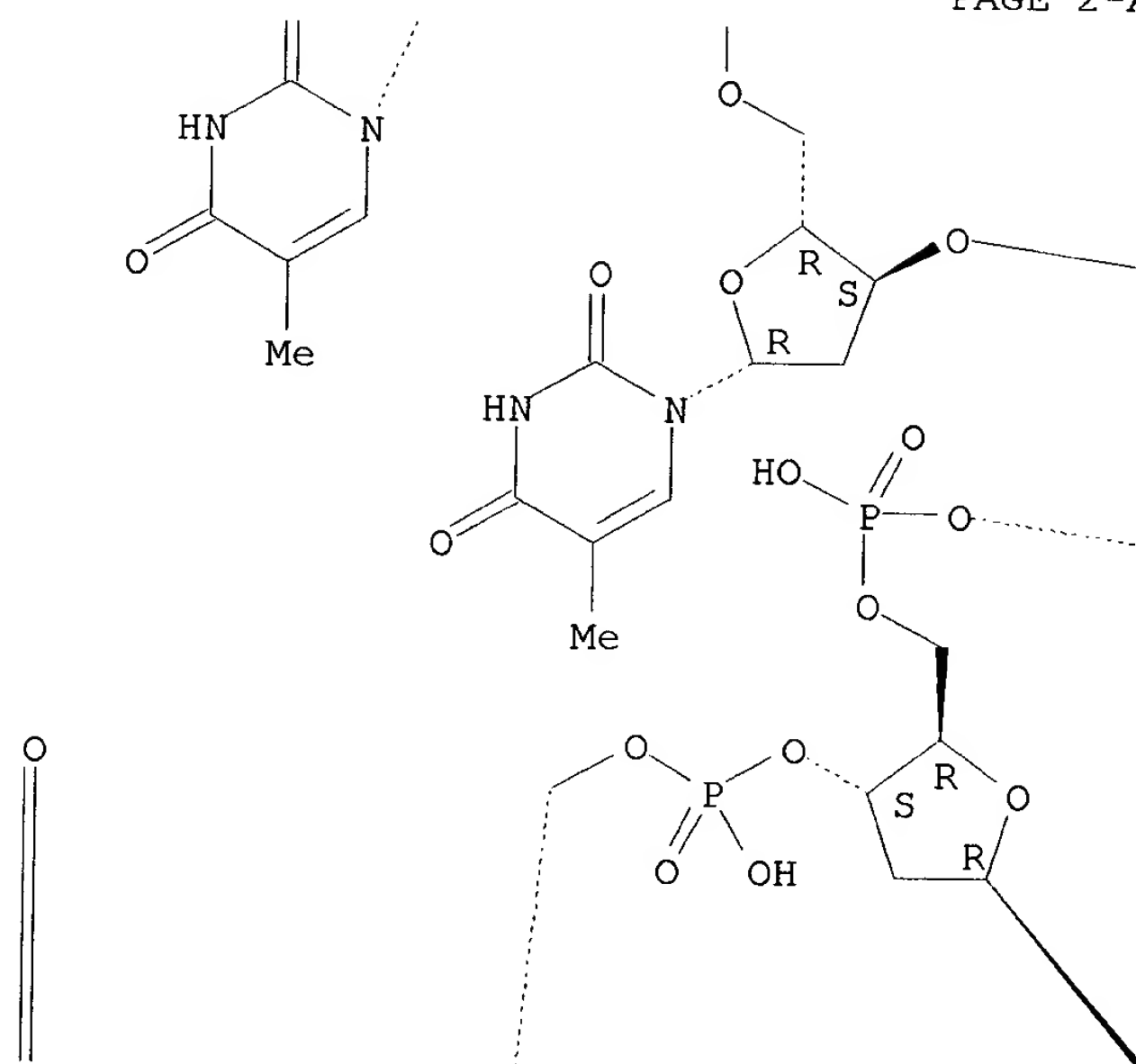
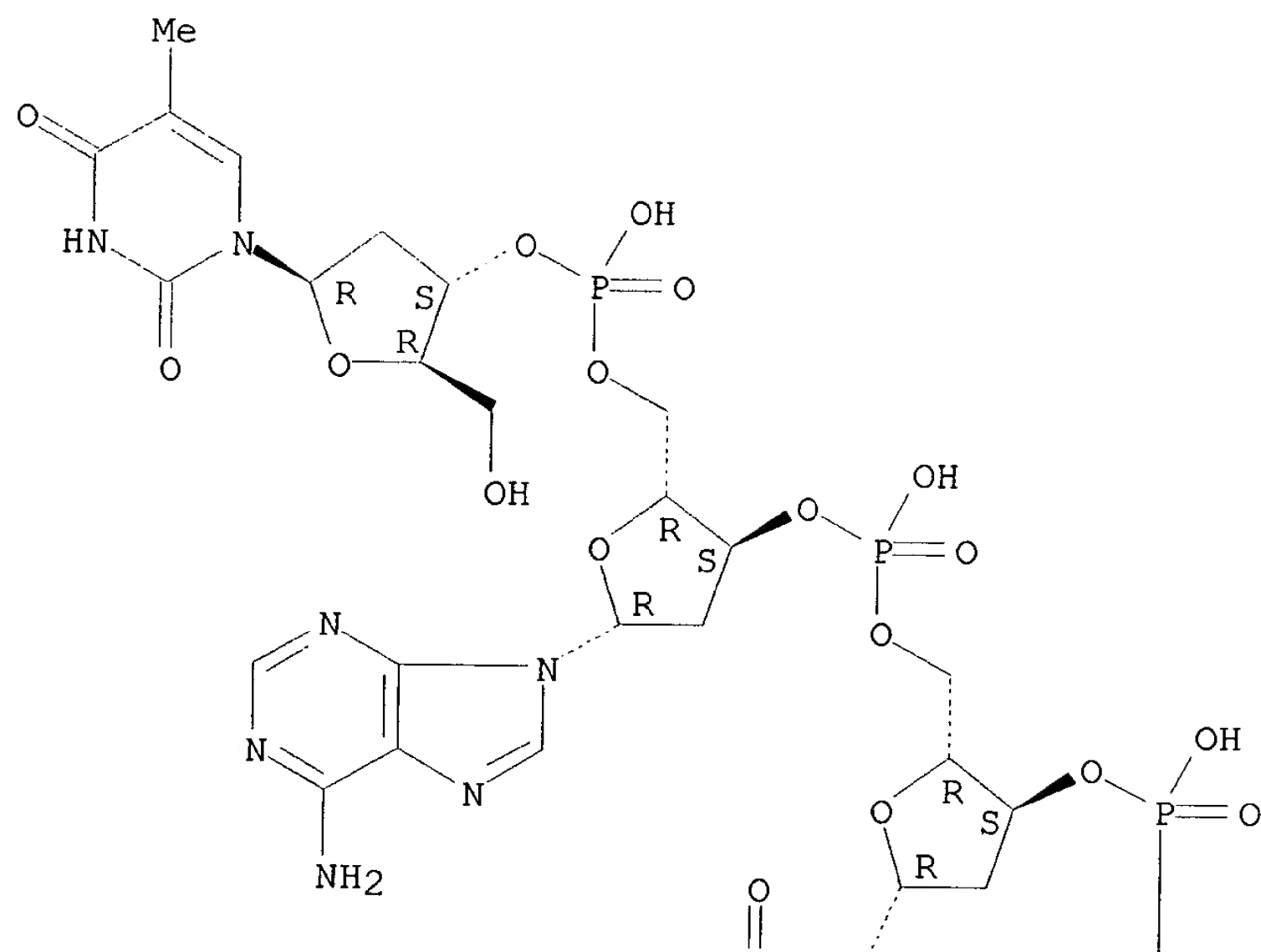
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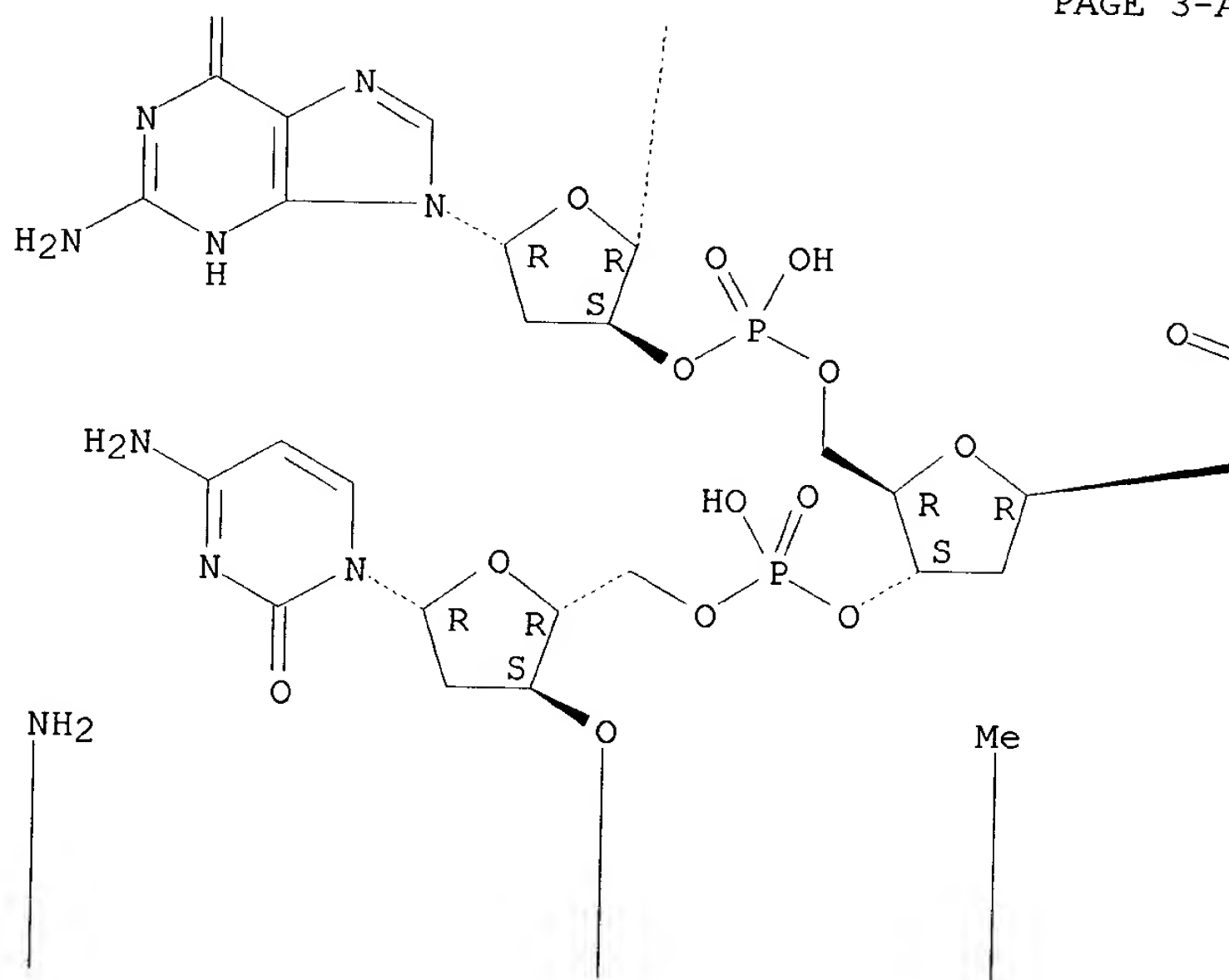
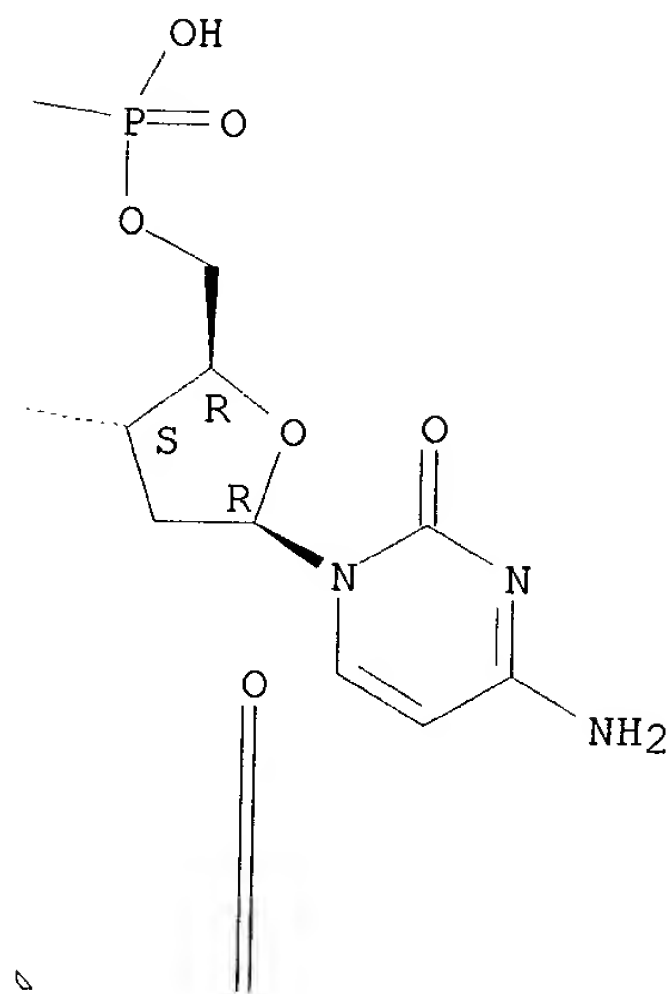
CN DNA, d(T-A-T-T-C-C-G-T-C-A-T) (9CI) (CA INDEX NAME)

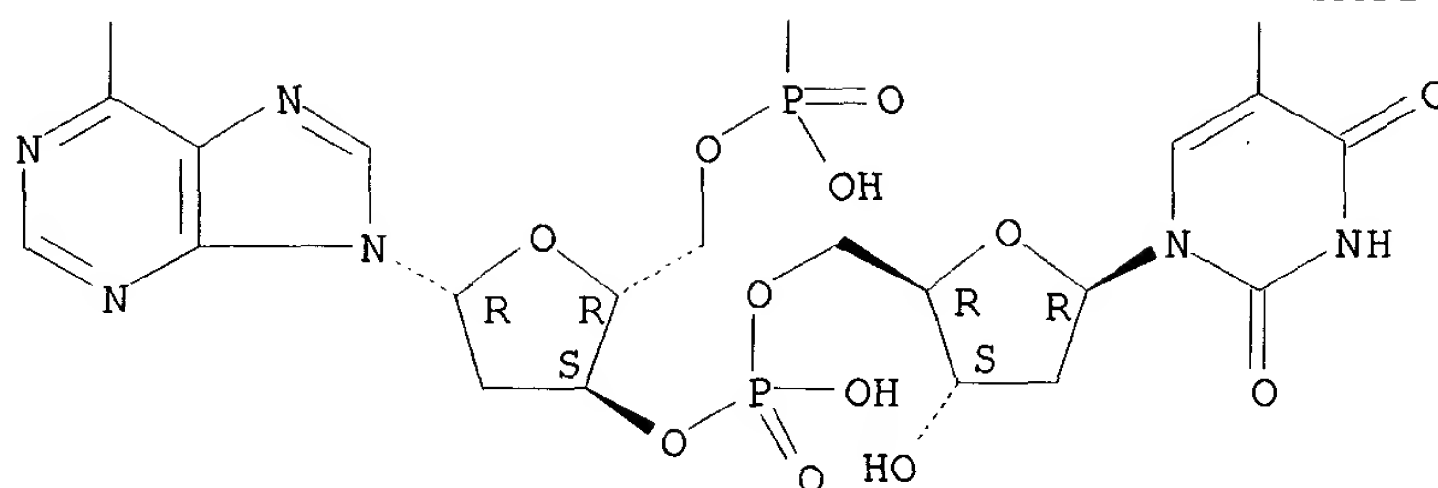
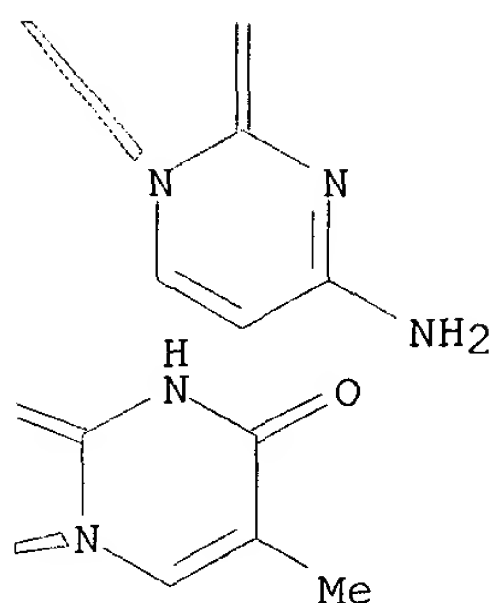
Absolute stereochemistry.

PAGE 1-A









RN 121938-12-3 HCAPLUS

CN Guanosine, 2'-deoxycytidylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxycytidylyl-(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-2'-deoxycytidylyl-(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxycytidylyl-(5'.fwdarw.3')-2'-deoxycytidylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-2'-deoxy- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 121962-43-4 HCAPLUS

CN Guanosine, 2'-deoxycytidylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxycytidylyl-(5'.fwdarw.3')-2'-deoxycytidylyl-(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-2'-deoxycytidylyl-(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxycytidylyl-(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-2'-deoxy- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 131593-63-0 HCAPLUS

CN DNA, d(G-G-C-T-G-C-T-G-G-A-G-C-G-G-G-G-C-A-C-A-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 146216-12-8 HCAPLUS

CN Guanosine, 2'-deoxycytidylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-2'-deoxycytidylyl-(5'.fwdarw.3')-2'-deoxyadenylyl-(5'.fwdarw.3')-2'-deoxycytidylyl-(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-2'-deoxycytidylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-2'-deoxycytidylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxy- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 147655-52-5 HCAPLUS

CN Thymidine, 2'-deoxycytidylyl-(3'.fwdarw.5')-2'-deoxyadenylyl-(3'.fwdarw.5')-2'-deoxycytidylyl-(3'.fwdarw.5')-2'-deoxyguanylyl-(3'.fwdarw.5')-thymidylyl-(3'.fwdarw.5')-thymidylyl-(3'.fwdarw.5')-2'-deoxyguanylyl-(3'.fwdarw.5')-2'-deoxyadenylyl-(3'.fwdarw.5')-2'-deoxyguanylyl-(3'.fwdarw.5')-2'-deoxyguanylyl-(3'.fwdarw.5')-2'-deoxyguanylyl-(3'.fwdarw.5')-2'-deoxycytidylyl-(3'.fwdarw.5')-2'-deoxyadenylyl-(3'.fwdarw.5')- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 147786-19-4 HCAPLUS

CN Guanosine, 2'-deoxyadenylyl-(5'.fwdarw.3')-2'-deoxyadenylyl-(5'.fwdarw.3')-2'-deoxyadenylyl-(5'.fwdarw.3')-2'-deoxycytidylyl-(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-2'-deoxycytidylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxycytidylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxyadenylyl-(5'.fwdarw.3')-2'-deoxycytidylyl-(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-2'-deoxyadenylyl-(5'.fwdarw.3')-2'-deoxy- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 153426-37-0 HCAPLUS

CN Thymidine, thymidylyl-(3'.fwdarw.5')-2'-deoxycytidylyl-(3'.fwdarw.5')-thymidylyl-(3'.fwdarw.5')-2'-deoxycytidylyl-(3'.fwdarw.5')-2'-deoxycytidylyl-(3'.fwdarw.5')-2'-deoxyadenylyl-(3'.fwdarw.5')-2'-deoxyguanylyl-(3'.fwdarw.5')-2'-deoxycytidylyl-(3'.fwdarw.5')-2'-deoxyguanylyl-(3'.fwdarw.5')-thymidylyl-(3'.fwdarw.5')-2'-deoxyguanylyl-(3'.fwdarw.5')-2'-deoxycytidylyl-(3'.fwdarw.5')-2'-deoxyguanylyl-(3'.fwdarw.5')-2'-deoxycytidylyl-(3'.fwdarw.5')-2'-deoxyadenylyl-(3'.fwdarw.5')- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 155002-55-4 HCAPLUS

CN DNA, d(C-C-C-C-C-A-C-C-A-C-T-T-C-C-C-C-T-C-T-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 155002-57-6 HCAPLUS

CN DNA, d(G-C-C-C-A-A-G-C-T-G-G-C-A-T-C-C-G-T-C-A) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 161415-79-8 HCAPLUS

CN DNA, d(G-G-C-T-G-C-C-A-T-G-G-T-C-C-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 161415-81-2 HCAPLUS

CN DNA, d(G-T-C-T-T-C-C-A-T-A-G-T-T-A-C-T-C-A) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 163665-40-5 HCAPLUS

CN DNA, d(G-T-T-C-T-C-G-C-T-G-G-T-G-A-G-T-T-T-C-A) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 164910-61-6 HCAPLUS

CN DNA, d(G-C-G-T-T-T-G-C-T-C-T-T-C-T-T-C-T-T-G-C-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 165447-62-1 HCAPLUS

CN DNA, d(G-C-G-G-G-G-C-T-C-C-A-T-G-G-G-G-G-T-C-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 166436-80-2 HCAPLUS

CN DNA, d(C-A-C-C-C-G-C-C-T-T-G-G-C-C-T-C-C-C-A-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 173432-53-6 HCAPLUS

CN DNA, d(A-G-G-T-C-C-C-T-G-T-T-C-G-G-G-C-G-C-C-A) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 173432-56-9 HCAPLUS

CN DNA, d(C-A-G-C-T-G-C-A-A-C-C-C-A-G-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 173432-57-0 HCAPLUS

CN DNA, d(G-G-A-G-A-A-C-A-T-C-A-T-G-G-T-C-G-A-A-A-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 173432-58-1 HCAPLUS

CN DNA, d(C-C-C-G-A-G-A-A-C-A-T-C-A-T-G-G-T-C-G-A-A-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 173432-59-2 HCAPLUS

CN DNA, d(G-G-G-G-A-A-A-G-C-C-C-G-G-C-A-A-G-G-G-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 173432-60-5 HCAPLUS

CN DNA, d(G-G-G-A-C-T-C-C-G-G-C-G-C-A-G-C-G-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 173432-61-6 HCAPLUS

CN DNA, d(G-G-C-A-A-A-C-T-T-T-C-T-T-T-T-C-C-T-C-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 173432-62-7 HCAPLUS

CN DNA, d(G-G-G-A-A-G-G-A-G-G-A-G-G-A-T-G-A-G-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 173432-63-8 HCAPLUS
CN DNA, d(G-G-C-A-G-T-C-A-T-C-C-A-G-C-T-T-C-G-G-A-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 173432-67-2 HCAPLUS
CN DNA, d(G-C-A-G-T-A-A-G-C-A-T-C-C-A-T-A-T-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 173432-68-3 HCAPLUS
CN DNA, d(C-T-C-C-C-C-C-A-C-C-A-C-T-T-C-C-C-C-T-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 173432-69-4 HCAPLUS
CN DNA, d(G-C-T-G-G-G-A-G-C-C-A-T-A-G-C-G-A-G-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 173432-70-7 HCAPLUS
CN DNA, d(A-C-T-G-C-T-G-C-C-T-C-T-T-G-T-C-T-C-A-G-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 173432-71-8 HCAPLUS
CN DNA, d(C-A-A-T-C-A-A-T-G-A-C-T-T-C-A-A-G-A-G-T-T-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 188134-42-1 HCAPLUS
CN DNA, d(T-C-C-C-G-C-C-T-G-T-G-A-C-A-T-G-C-A-T-T) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 188704-72-5 HCAPLUS
CN DNA, d(G-A-T-G-G-A-G-G-G-C-G-G-C-A-T-G-G-C-G-G-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 246223-25-6 HCAPLUS
CN DNA, d(G-C-G-G-C-G-G-A-A-A-A-G-C-C-A-T-C-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 259082-59-2 HCAPLUS
CN DNA, d(G-G-A-G-G-C-C-C-G-A-C-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 259082-61-6 HCAPLUS
CN DNA, d(G-G-T-T-T-C-G-G-A-G-G-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 259082-72-9 HCAPLUS
CN DNA, d(T-G-G-T-G-G-A-G-G-T-A-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 259082-73-0 HCAPLUS
CN DNA, d(G-C-A-T-G-G-T-G-G-A-G-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 259082-74-1 HCAPLUS
CN DNA, d(T-T-G-G-C-A-T-G-G-T-G-G) (9CI) (CA INDEX NAME)

Schnizer 09/627,787

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 259082-78-5 HCAPLUS

CN DNA, d(G-C-C-T-G-G-G-A-C-C-A-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 259082-79-6 HCAPLUS

CN DNA, d(C-A-G-C-C-T-G-G-G-A-C-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 259082-80-9 HCAPLUS

CN DNA, d(T-G-C-A-G-C-C-T-G-G-G-A) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 259082-81-0 HCAPLUS

CN DNA, d(G-T-G-C-A-G-C-C-T-G-G-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 259082-82-1 HCAPLUS

CN DNA, d(G-G-T-G-C-A-G-C-C-T-G-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 259082-83-2 HCAPLUS

CN DNA, d(A-T-G-G-G-T-G-C-A-G-C-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 259082-97-8 HCAPLUS

CN DNA, d(G-G-C-T-T-G-A-A-G-A-T-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 259083-00-6 HCAPLUS

CN DNA, d(G-C-A-G-C-C-C-C-G-C-A) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 259083-01-7 HCAPLUS

CN DNA, d(G-C-A-G-C-A-G-C-C-C-C-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 325761-26-0 HCAPLUS

CN 11: PN: WO0108707 SEQID: 11 unclaimed DNA (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 325761-27-1 HCAPLUS

CN 18: PN: WO0108707 SEQID: 18 unclaimed DNA (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 325761-28-2 HCAPLUS

CN 5: PN: WO0108707 SEQID: 23 unclaimed DNA (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 325761-29-3 HCAPLUS

CN 15: PN: WO0108707 SEQID: 33 unclaimed DNA (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L8 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2001 ACS

AN 1999:220014 HCAPLUS

DN 130:249137

TI Novel targeted ultrasound imaging contrast agents for diagnostic and therapeutic use

IN **Unger, Evan C.**; Fritz, Thomas A.; Gertz, Edward W.

PA ImarRx Pharmaceutical Corp., USA

SO PCT Int. Appl., 223 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9913919	A1	19990325	WO 1998-US18858	19980909
	W: AU, CA				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 6139819	A	20001031	US 1997-932273	19970917
	AU 9893830	A1	19990405	AU 1998-93830	19980909
	EP 959908	A1	19991201	EP 1998-946919	19980909
	R: DE, FR, GB, IT				
PRAI	US 1997-932273	A	19970917		
	US 1995-497684	B2	19950607		
	US 1996-640464	B2	19960501		
	US 1996-660032	B2	19960606		
	US 1996-666129	A2	19960619		
	WO 1998-US18858	W	19980909		
AB	This invention describes novel contrast agents which may be used for diagnostic and therapeutic use. The compns. may comprise a lipid, a protein, polymer and/or surfactant, and a gas, in combination with a targeting ligand. In preferred embodiments, the targeting ligand targets coagula, including emboli and/or thrombi, particularly in patients suffering from an arrhythmic disorder. The contrast media can be used in conjunction with diagnostic imaging, such as ultrasound, as well as therapeutic applications, such as therapeutic ultrasound.				
IT	50-21-5D , Lactic acid, polymer contg. 63-89-8 , Dipalmitoylphosphatidylcholine 75-21-8D , Ethylene oxide, polymer contg. 75-56-9D , Propylene oxide, polymer contg. 75-73-0 76-16-4 , Perfluoroethane 76-19-7 , Perfluoropropane 79-06-1D , Acrylamide, N-substituted derivs., polymer contg. 79-10-7D , Acrylic acid, hydroxyalkyl derivs., polymer contg. 79-14-1D , Glycolic acid, polymer contg. 79-41-4D , Methacrylic acid, hydroxyalkyl derivs., polymer contg. 80-05-7D , Bisphenol A, polymer contg. 80-62-6D , Methyl methacrylate, polymer contg. 88-12-0D , N-Vinyl-2-pyrrolidone, polymer contg. 100-42-5D , Styrene, polymer contg. 106-89-8D , polymer contg. 107-02-8D , Acrolein, polymer contg. 107-13-1D , Acrylonitrile, polymer contg. 107-21-1D , Ethylene glycol, polymer contg. 108-05-4D , Vinyl acetate, polymer contg. 115-25-3 , Perfluorocyclobutane 140-88-5D , Ethyl acrylate, polymer contg. 151-56-4D , Ethyleneimine, polymer contg. 307-34-6 , Perfluorooctane 335-57-9 , Perfluoroheptane 355-25-9 , Perfluorobutane 355-42-0 , Perfluorohexane 375-96-2 , Perfluorononane 502-44-3D , .epsilon.-Caprolactone, polymer contg. 678-26-2 , Perfluoropentane 816-94-4 , Distearoylphosphatidylcholine 868-77-9D , 2-Hydroxyethyl methacrylate, polymer contg. 1187-59-3D , N-substituted derivs., polymer contg. 1337-81-1D , Vinyl pyridine, polymer contg. 1520-21-4D ,				

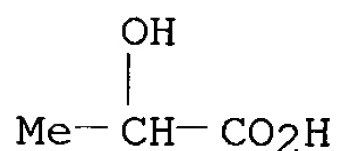
p-Amino-styrene, polymer contg. 2252-84-8, Heptafluoropropane 2551-62-4, Sulfur hexafluoride 3724-65-0D, Crotonic acid, polymer contg. 4004-05-1, Dioleoylphosphatidylethanolamine 4235-95-4 4949-20-6D, 2,4-Pentadien-1-ol, polymer contg. 5681-36-7, Dipalmitoylphosphatidylethanolamine 7659-36-1D, Aminoethyl methacrylate, polymer contg. 7727-37-9, Nitrogen, analysis 7782-41-4D, Fluorine, gas contg. 9002-89-5, Polyvinyl alcohol 9002-98-6 9003-01-4, Polyacrylic acid 9003-05-8 9003-39-8, Polyvinylpyrrolidone 9003-54-7 9011-14-7, Polymethylmethacrylate 9016-00-6, Polydimethylsiloxane 9016-00-6D, Dimethylsiloxane, polymer contg. 15802-18-3D, polymer contg. 18194-24-6, Dimyristoylphosphatidylcholine 19698-29-4, Dipalmitoylphosphatidic acid 24980-41-4, Poly(.epsilon.-caprolactone) 25014-12-4, Polymethacrylamide 25087-26-7, Polymethacrylic acid 25248-42-4, Poly[oxy(1-oxo-1,6-hexanediyl)] 25322-68-3 25322-69-4, Poly(propylene oxide) 26023-30-3, Poly[oxy(1-methyl-2-oxo-1,2-ethanediyl)] 26100-51-6, Polylactic acid 26913-06-4, Poly[imino(1,2-ethanediyl)] 27457-28-9D, Sodium styrene sulfonate, polymer contg. 31900-57-9, Polydimethylsiloxane 45103-52-4D, polymer contg. 78543-25-6, 1-Hexadecyl-2-palmitoylglycerophosphoethanolamine 97782-02-0 208345-02-2 208345-03-3 217098-79-8D, polymer contg.

RL: ARU (Analytical role, unclassified); BUU (Biological use, unclassified); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(contrast agent; novel targeted ultrasound imaging contrast agents for diagnostic and therapeutic use)

RN 50-21-5 HCAPLUS

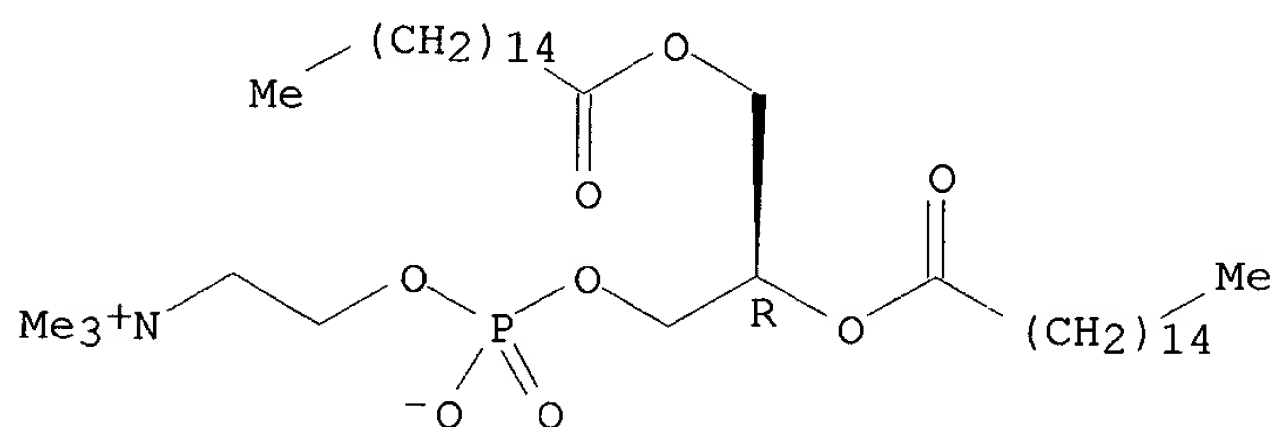
CN Propanoic acid, 2-hydroxy- (9CI) (CA INDEX NAME)



RN 63-89-8 HCAPLUS

CN 3,5,9-Trioxa-4-phosphapentacosan-1-aminium, 4-hydroxy-N,N,N-trimethyl-10-oxo-7-[(1-oxohexadecyl)oxy]-, inner salt, 4-oxide, (7R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

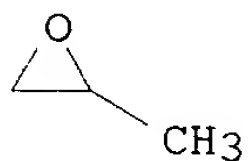


Schnizer 09/627,787

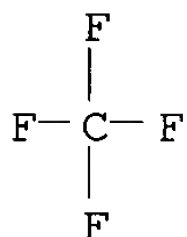
RN 75-21-8 HCAPLUS
CN Oxirane (9CI) (CA INDEX NAME)



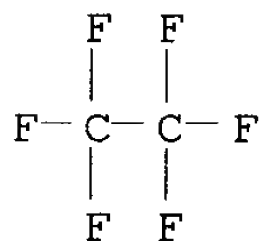
RN 75-56-9 HCAPLUS
CN Oxirane, methyl- (9CI) (CA INDEX NAME)



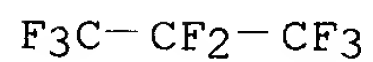
RN 75-73-0 HCAPLUS
CN Methane, tetrafluoro- (9CI) (CA INDEX NAME)



RN 76-16-4 HCAPLUS
CN Ethane, hexafluoro- (8CI, 9CI) (CA INDEX NAME)

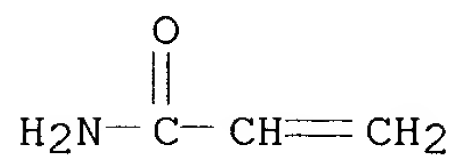


RN 76-19-7 HCAPLUS
CN Propane, octafluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)

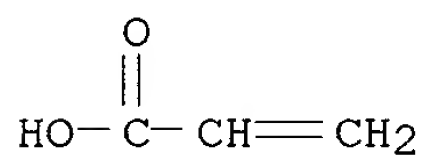


RN 79-06-1 HCAPLUS
CN 2-Propenamide (9CI) (CA INDEX NAME)

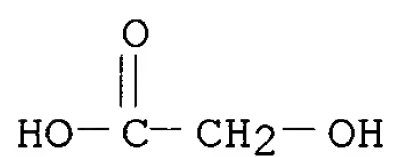
Schnizer 09/627,787



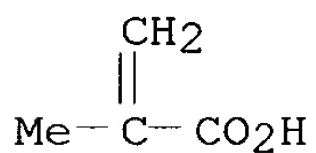
RN 79-10-7 HCAPLUS
CN 2-Propenoic acid (9CI) (CA INDEX NAME)



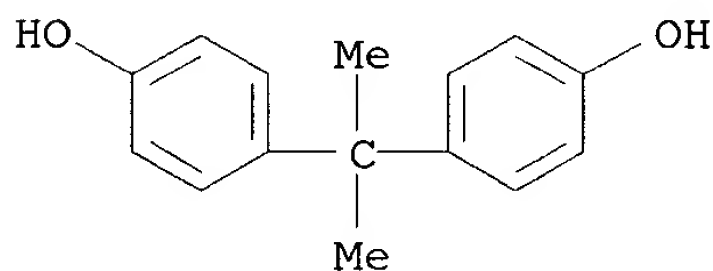
RN 79-14-1 HCAPLUS
CN Acetic acid, hydroxy- (9CI) (CA INDEX NAME)



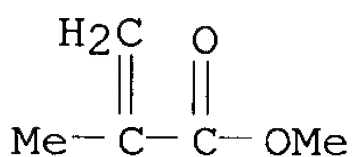
RN 79-41-4 HCAPLUS
CN 2-Propenoic acid, 2-methyl- (9CI) (CA INDEX NAME)



RN 80-05-7 HCAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis- (9CI) (CA INDEX NAME)

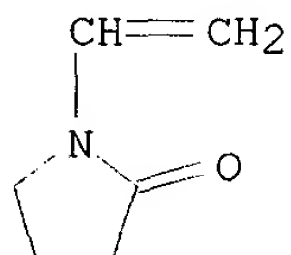


RN 80-62-6 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester (9CI) (CA INDEX NAME)

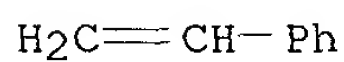


Schnizer 09/627,787

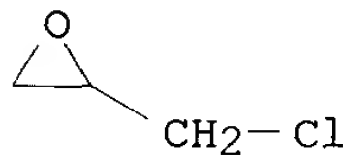
RN 88-12-0 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl- (9CI) (CA INDEX NAME)



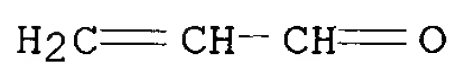
RN 100-42-5 HCAPLUS
CN Benzene, ethenyl- (9CI) (CA INDEX NAME)



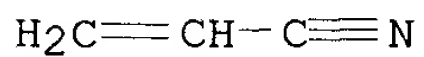
RN 106-89-8 HCAPLUS
CN Oxirane, (chloromethyl)- (9CI) (CA INDEX NAME)



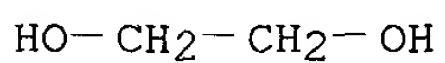
RN 107-02-8 HCAPLUS
CN 2-Propenal (9CI) (CA INDEX NAME)



RN 107-13-1 HCAPLUS
CN 2-Propenenitrile (9CI) (CA INDEX NAME)

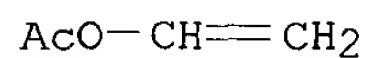


RN 107-21-1 HCAPLUS
CN 1,2-Ethanediol (9CI) (CA INDEX NAME)



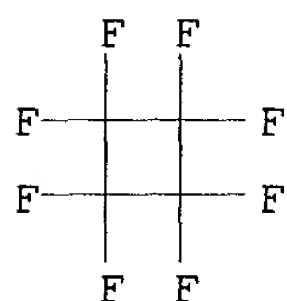
RN 108-05-4 HCAPLUS
CN Acetic acid ethenyl ester (9CI) (CA INDEX NAME)

Schnizer 09/627,787



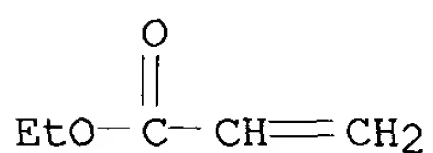
RN 115-25-3 HCAPLUS

CN Cyclobutane, octafluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



RN 140-88-5 HCAPLUS

CN 2-Propenoic acid, ethyl ester (9CI) (CA INDEX NAME)



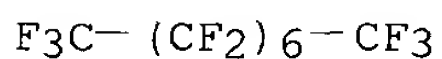
RN 151-56-4 HCAPLUS

CN Aziridine (9CI) (CA INDEX NAME)



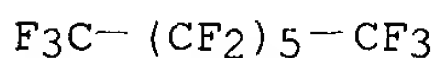
RN 307-34-6 HCAPLUS

CN Octane, octadecafluoro- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



RN 335-57-9 HCAPLUS

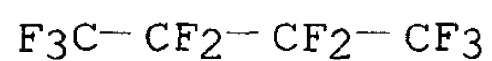
CN Heptane, hexadecafluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



RN 355-25-9 HCAPLUS

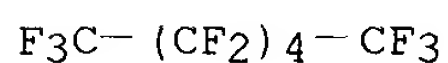
CN Butane, decafluoro- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

Schnizer 09/627,787



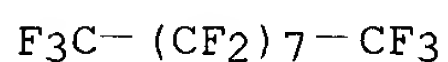
RN 355-42-0 HCAPLUS

CN Hexane, tetradecafluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



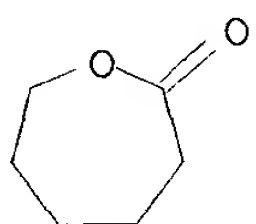
RN 375-96-2 HCAPLUS

CN Nonane, eicosafluoro- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



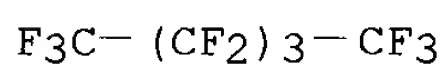
RN 502-44-3 HCAPLUS

CN 2-Oxepanone (8CI, 9CI) (CA INDEX NAME)



RN 678-26-2 HCAPLUS

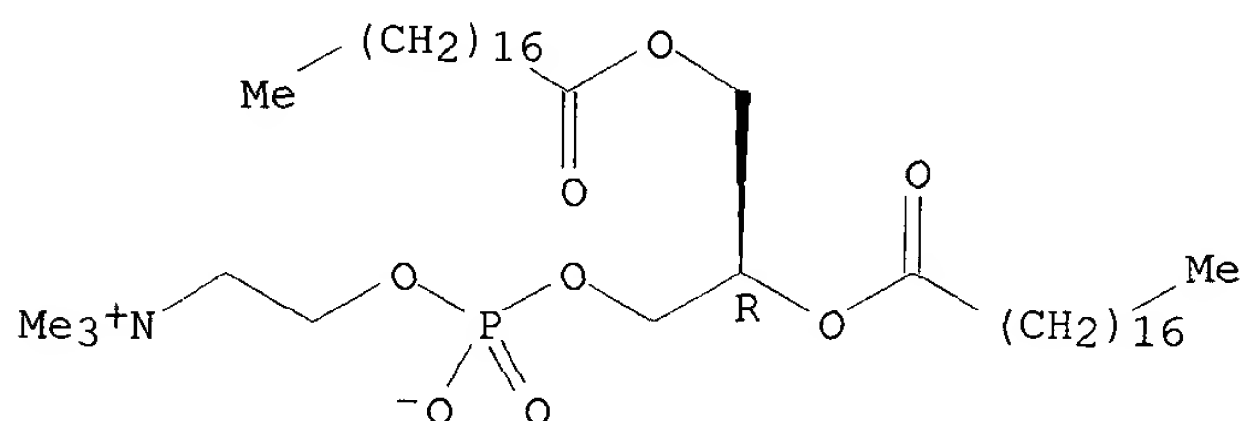
CN Pentane, dodecafluoro- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



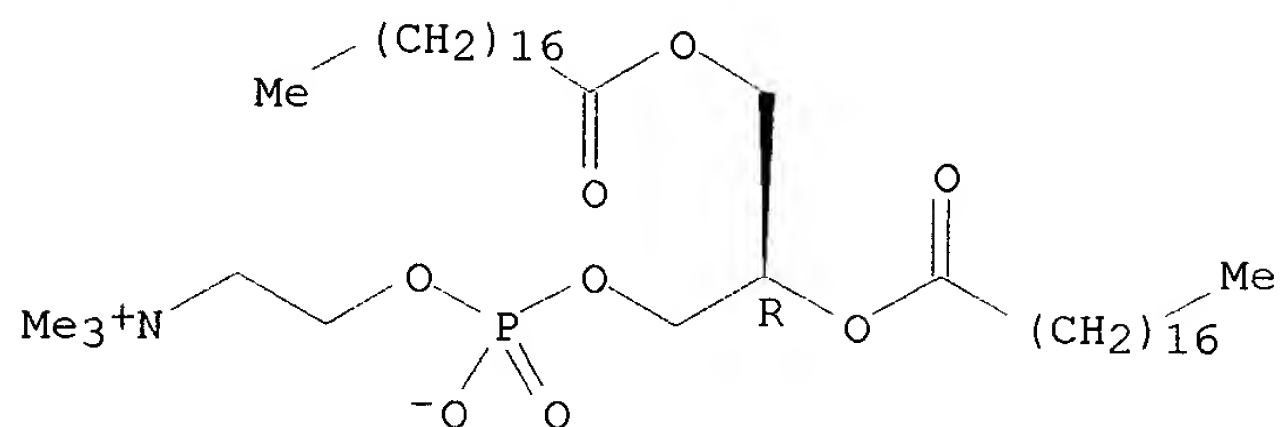
RN 816-94-4 HCAPLUS

CN 3,5,9-Trioxa-4-phosphaheptacosan-1-aminium, 4-hydroxy-N,N,N-trimethyl-10-oxo-7-[(1-oxooctadecyl)oxy]-, inner salt, 4-oxide, (7R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

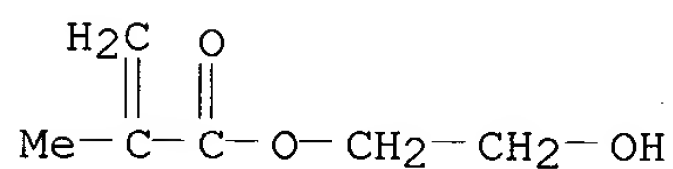


Schnizer 09/627,787



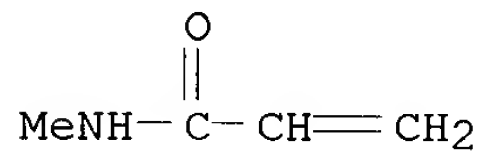
RN 868-77-9 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester (9CI) (CA INDEX NAME)



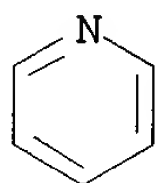
RN 1187-59-3 HCAPLUS

CN 2-Propenamide, N-methyl- (9CI) (CA INDEX NAME)



RN 1337-81-1 HCAPLUS

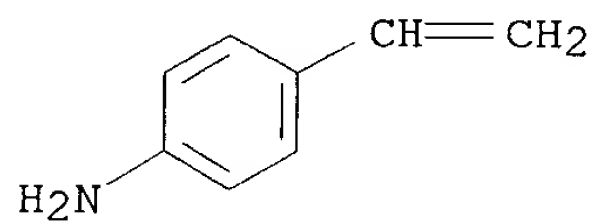
CN Pyridine, ethenyl- (9CI) (CA INDEX NAME)



D1- CH=CH₂

RN 1520-21-4 HCAPLUS

CN Benzenamine, 4-ethenyl- (9CI) (CA INDEX NAME)



Schnizer 09/627,787

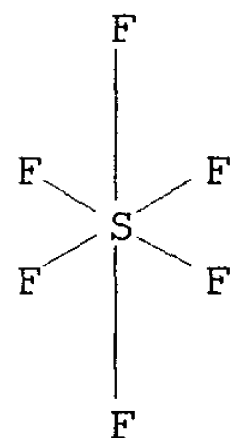
RN 2252-84-8 HCAPLUS

CN Propane, 1,1,1,2,2,3,3-heptafluoro- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



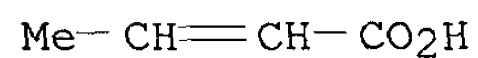
RN 2551-62-4 HCAPLUS

CN Sulfur fluoride (SF₆), (OC-6-11)- (9CI) (CA INDEX NAME)



RN 3724-65-0 HCAPLUS

CN 2-Butenoic acid (9CI) (CA INDEX NAME)

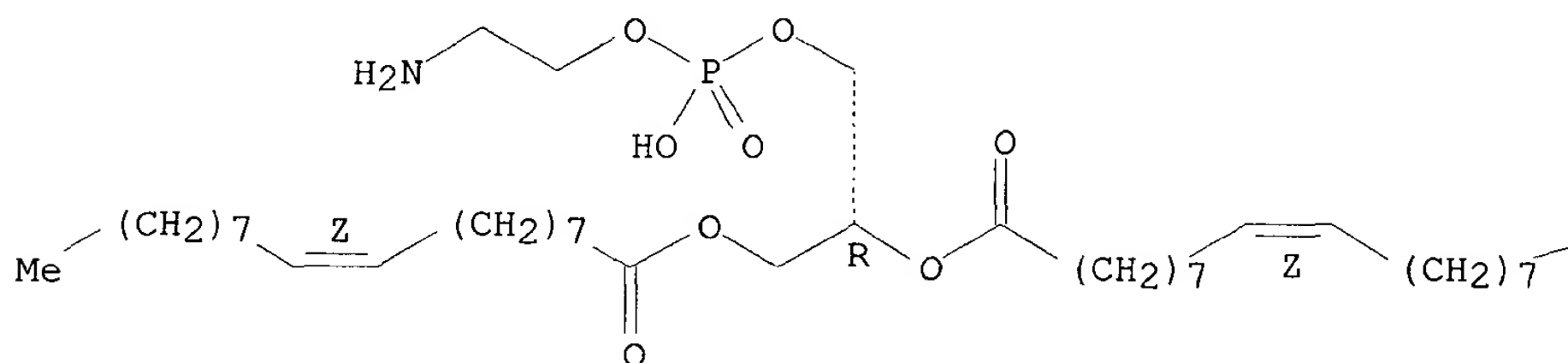


RN 4004-05-1 HCAPLUS

CN 9-Octadecenoic acid (9Z)-, (1R)-1-[[[(2-aminoethoxy)hydroxyphosphinyl]oxy]methyl]-1,2-ethanediyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A



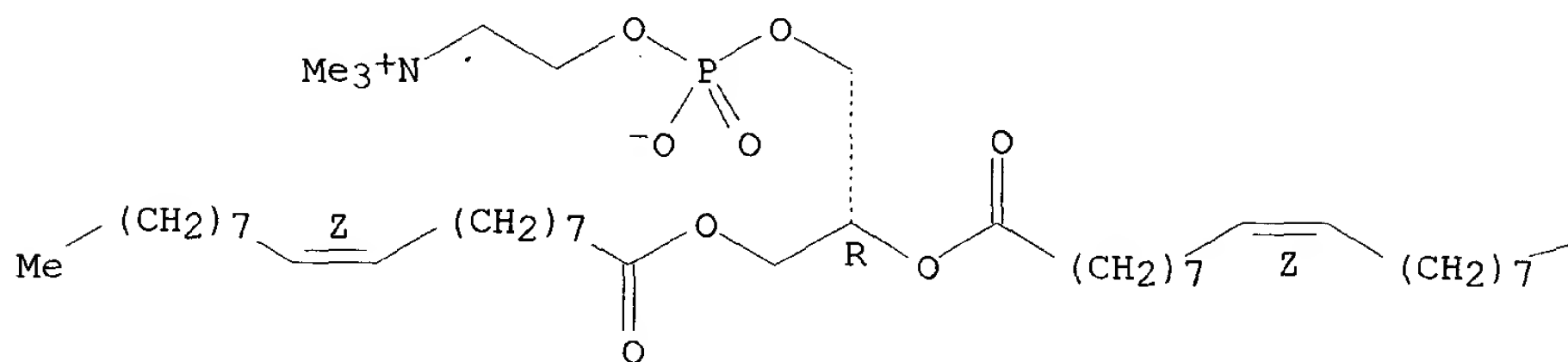
—Me

RN 4235-95-4 HCAPLUS

CN 3,5,9-Trioxa-4-phosphaheptacos-18-en-1-aminium, 4-hydroxy-N,N,N-trimethyl-10-oxo-7-[[(9Z)-1-oxo-9-octadecenyl]oxy]-, inner salt, 4-oxide, (7R,18Z)-(9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).
Double bond geometry as shown.

PAGE 1-A

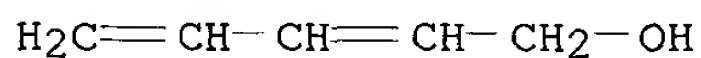


PAGE 1-B

—Me

RN 4949-20-6 HCAPLUS

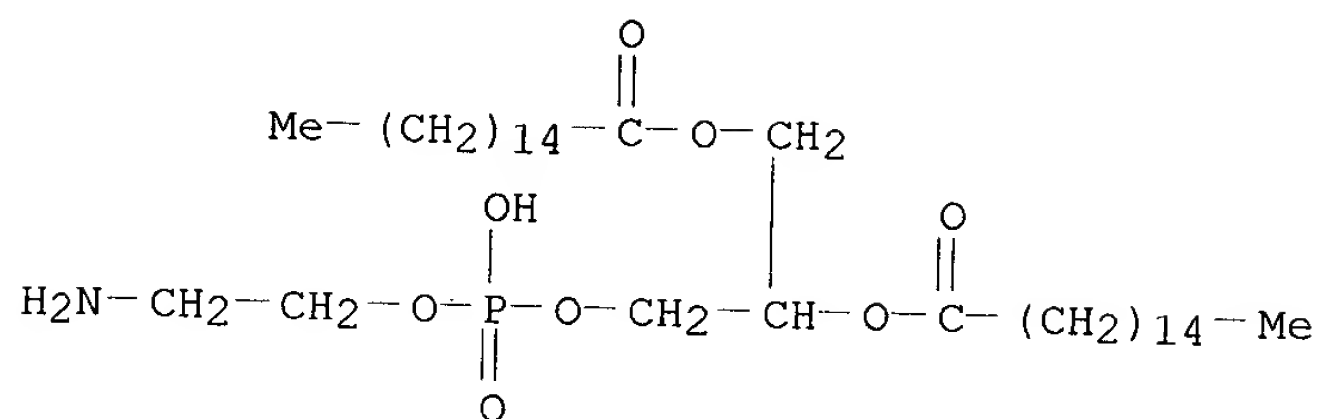
CN 2,4-Pentadien-1-ol (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



RN 5681-36-7 HCAPLUS

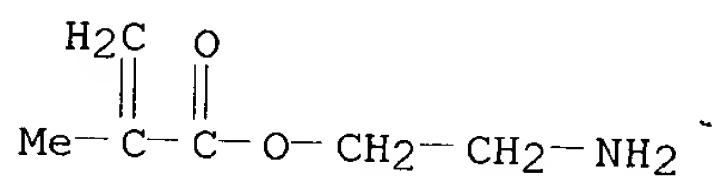
CN Hexadecanoic acid, 1-[[[(2-aminoethoxy)hydroxyphosphinyl]oxy]methyl]-1,2-ethanediyl ester (9CI) (CA INDEX NAME)

Schnizer 09/627,787



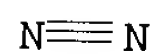
RN 7659-36-1 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-aminoethyl ester (9CI) (CA INDEX NAME)



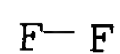
RN 7727-37-9 HCAPLUS

CN Nitrogen (8CI, 9CI) (CA INDEX NAME)



RN 7782-41-4 HCAPLUS

CN Fluorine (8CI, 9CI) (CA INDEX NAME)



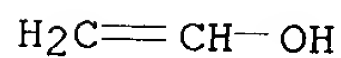
RN 9002-89-5 HCAPLUS

CN Ethenol, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 557-75-5

CMF C2 H4 O



RN 9002-98-6 HCAPLUS

CN Aziridine, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 151-56-4

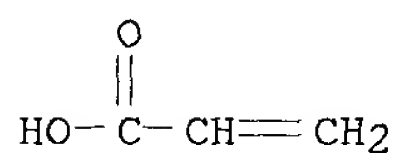
CMF C2 H5 N



RN 9003-01-4 HCAPLUS
CN 2-Propenoic acid, homopolymer (9CI) (CA INDEX NAME)

CM 1

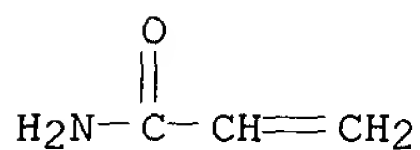
CRN 79-10-7
CMF C3 H4 O2



RN 9003-05-8 HCAPLUS
CN 2-Propenamide, homopolymer (9CI) (CA INDEX NAME)

CM 1

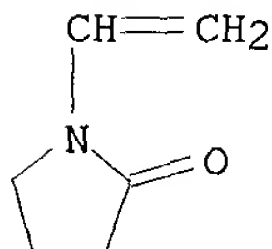
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CMF C3 H5 N O



RN 9003-39-8 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 88-12-0
CMF C6 H9 N O



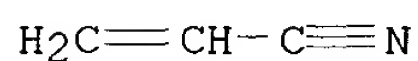
RN 9003-54-7 HCAPLUS
CN 2-Propenenitrile, polymer with ethenylbenzene (9CI) (CA INDEX NAME)

Schnizer 09/627,787

CM 1

CRN 107-13-1

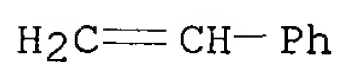
CMF C3 H3 N



CM 2

CRN 100-42-5

CMF C8 H8



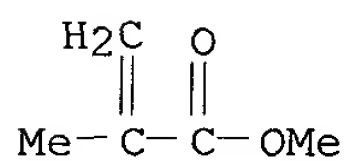
RN 9011-14-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

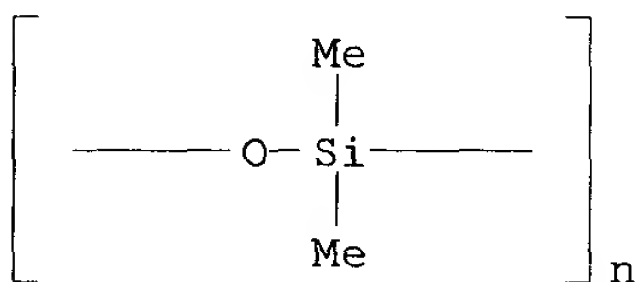
CRN 80-62-6

CMF C5 H8 O2



RN 9016-00-6 HCAPLUS

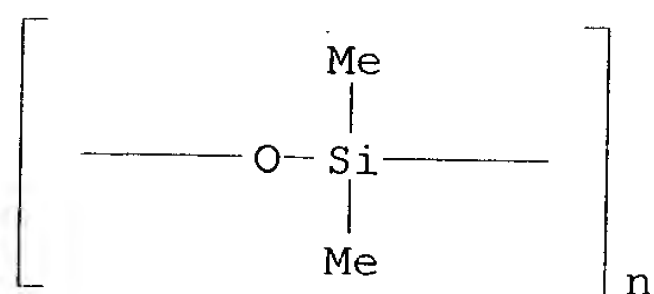
CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)



RN 9016-00-6 HCAPLUS

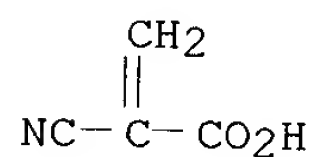
CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)

Schnizer 09/627,787



RN 15802-18-3 HCAPLUS

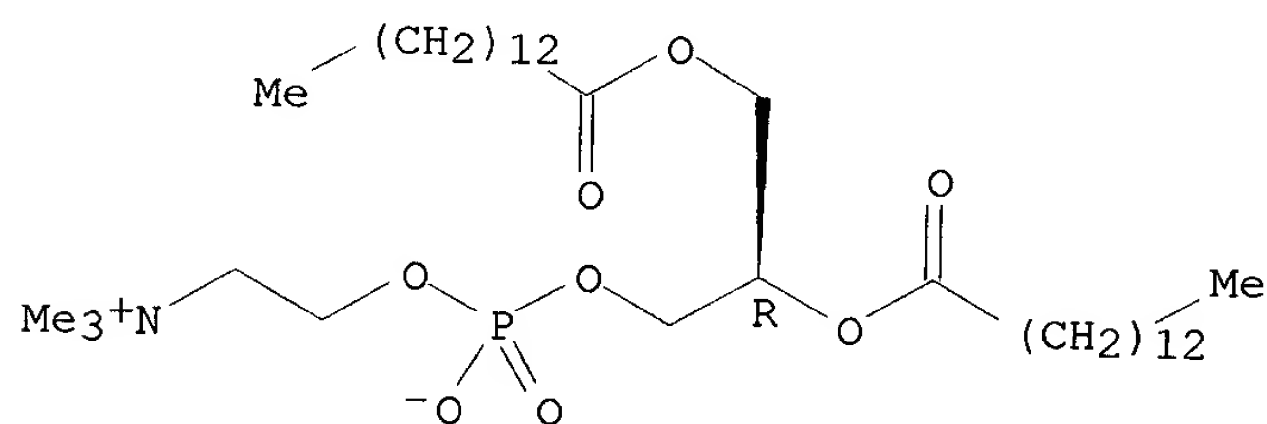
CN 2-Propenoic acid, 2-cyano- (9CI) (CA INDEX NAME)



RN 18194-24-6 HCAPLUS

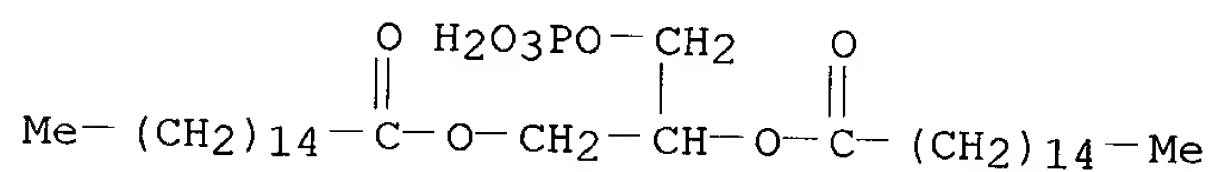
CN 3,5,9-Trioxa-4-phosphatricosan-1-aminium, 4-hydroxy-N,N,N-trimethyl-10-oxo-7-[(1-oxotetradecyl)oxy]-, inner salt, 4-oxide, (7R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 19698-29-4 HCAPLUS

CN Hexadecanoic acid, 1-[(phosphonooxy)methyl]-1,2-ethanediyl ester (9CI) (CA INDEX NAME)



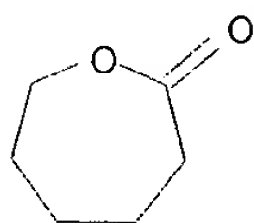
RN 24980-41-4 HCAPLUS

CN 2-Oxepanone, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 502-44-3

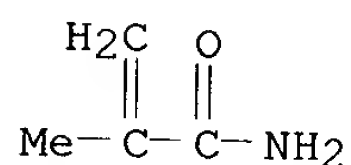
CMF C6 H10 O2



RN 25014-12-4 HCAPLUS
 CN 2-Propenamide, 2-methyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

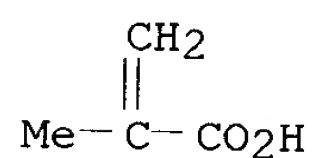
CRN 79-39-0
 CMF C4 H7 N O



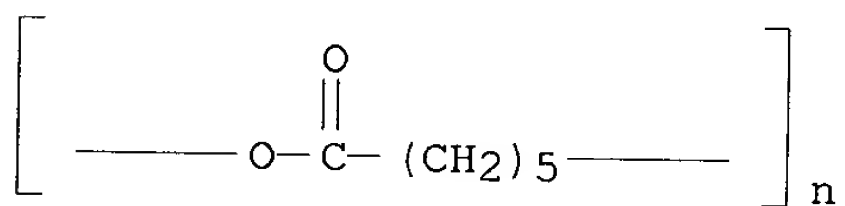
RN 25087-26-7 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

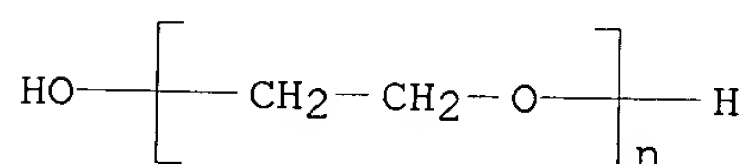
CRN 79-41-4
 CMF C4 H6 O2



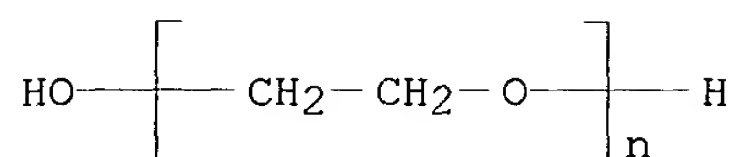
RN 25248-42-4 HCAPLUS
 CN Poly[oxy(1-oxo-1,6-hexanediyl)] (9CI) (CA INDEX NAME)



RN 25322-68-3 HCAPLUS
 CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy- (9CI) (CA INDEX NAME)

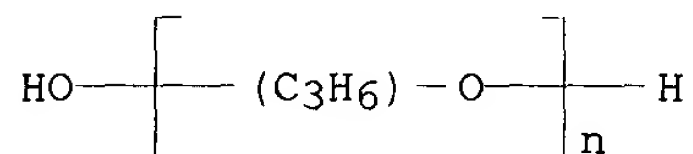


Schnizer 09/627,787



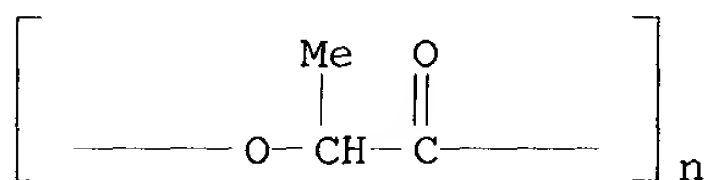
RN 25322-69-4 HCAPLUS

CN Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy- (9CI)
(CA INDEX NAME)



RN 26023-30-3 HCAPLUS

CN Poly[oxy(1-methyl-2-oxo-1,2-ethanediyl)] (8CI, 9CI) (CA INDEX NAME)



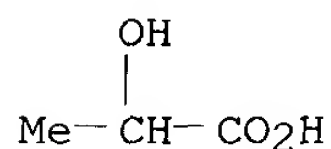
RN 26100-51-6 HCAPLUS

CN Propanoic acid, 2-hydroxy-, homopolymer (9CI) (CA INDEX NAME)

CM 1

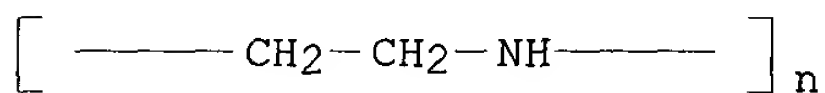
CRN 50-21-5

CMF C3 H6 O3



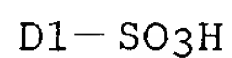
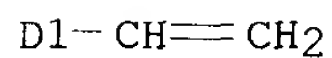
RN 26913-06-4 HCAPLUS

CN Poly[imino(1,2-ethanediyl)] (9CI) (CA INDEX NAME)

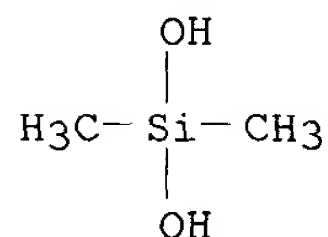


RN 27457-28-9 HCAPLUS

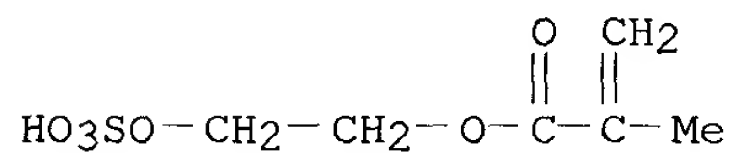
CN Benzenesulfonic acid, ethenyl-, sodium salt (9CI) (CA INDEX NAME)



RN 31900-57-9 HCAPLUS
CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)
CM 1
CRN 1066-42-8
CMF C2 H8 O2 Si

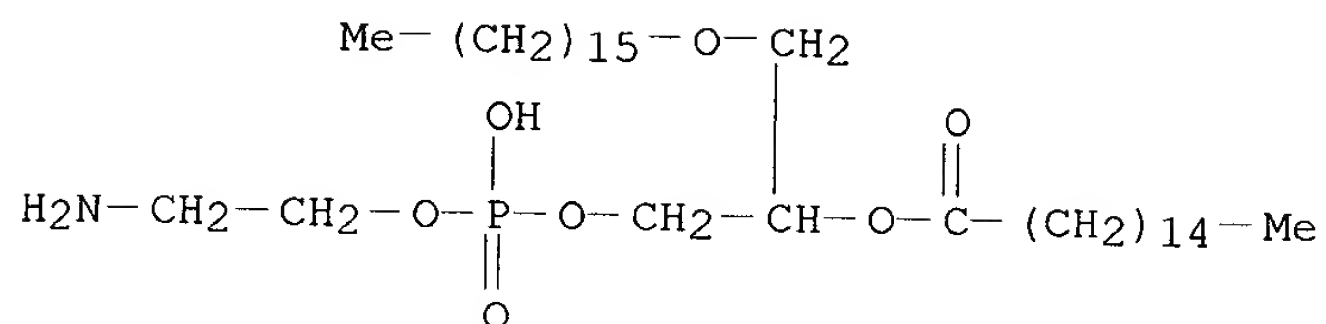


RN 45103-52-4 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-(sulfooxy)ethyl ester, sodium salt (9CI)
(CA INDEX NAME)



RN 78543-25-6 HCAPLUS
CN Hexadecanoic acid, 2-[[[(2-aminoethoxy)hydroxyphosphinyl]oxy]-1-
[(hexadecyloxy)methyl]ethyl ester (9CI) (CA INDEX NAME)

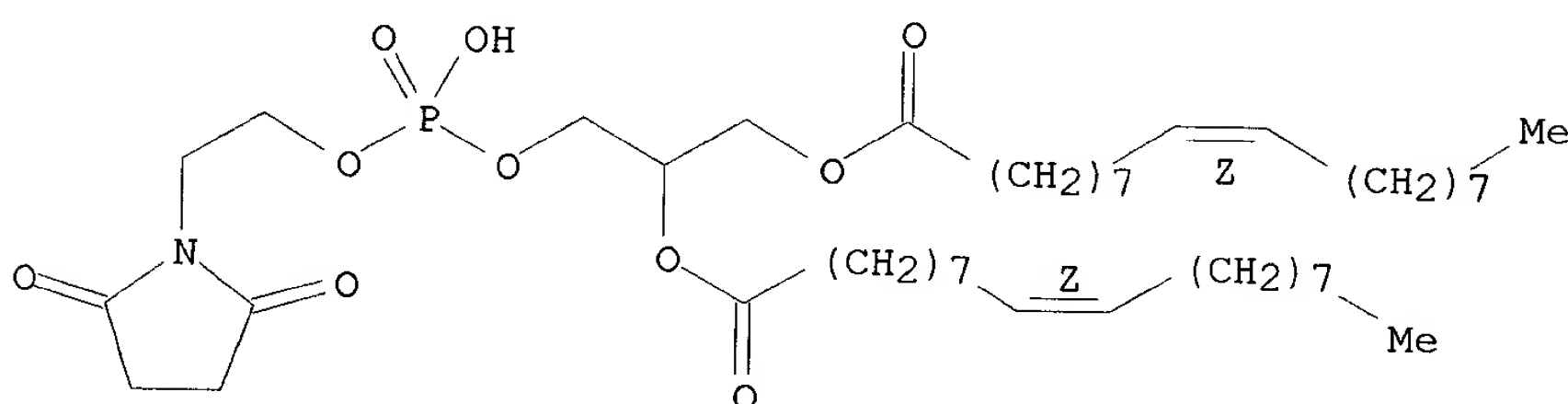
Schnizer 09/627,787



RN 97782-02-0 HCAPLUS

CN 9-Octadecenoic acid (9Z)-, 1-[[[2-(2,5-dioxo-1-pyrrolidinyl)ethoxy]hydroxyphosphinyl]oxy]methyl]-1,2-ethanediyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



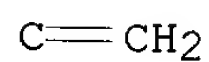
RN 208345-02-2 HCAPLUS

CN Ethenylidene, polymer with 2-propenenitrile (9CI) (CA INDEX NAME)

CM 1

CRN 2143-69-3

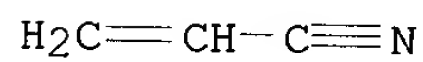
CMF C2 H2



CM 2

CRN 107-13-1

CMF C3 H3 N



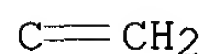
RN 208345-03-3 HCAPLUS

CN Ethenylidene, polymer with methyl 2-methyl-2-propenoate and 2-propenenitrile (9CI) (CA INDEX NAME)

CM 1

Schnizer 09/627,787

CRN 2143-69-3
CMF C2 H2



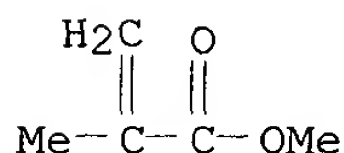
CM 2

CRN 107-13-1
CMF C3 H3 N

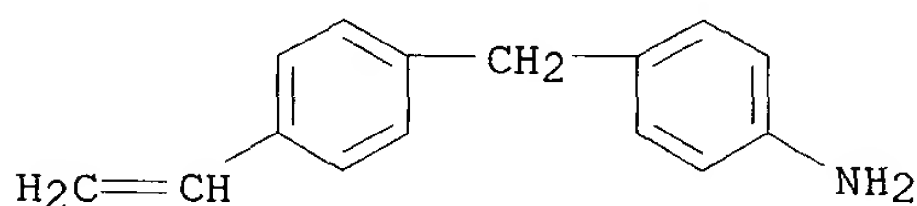


CM 3

CRN 80-62-6
CMF C5 H8 O2



RN 217098-79-8 HCAPLUS
CN Benzenamine, 4-[(4-ethenylphenyl)methyl]- (9CI) (CA INDEX NAME)



IT **12629-01-5**, Human growth hormone
RL: ARU (Analytical role, unclassified); BPR (Biological process); BUU (Biological use, unclassified); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PROC (Process); USES (Uses)
(novel targeted ultrasound imaging contrast agents for diagnostic and therapeutic use)

RN 12629-01-5 HCAPLUS
CN Somatotropin (human) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

IT **79481-27-9P 186750-22-1DP**, reaction products with protein A **221553-32-8P**
RL: ARU (Analytical role, unclassified); BUU (Biological use,

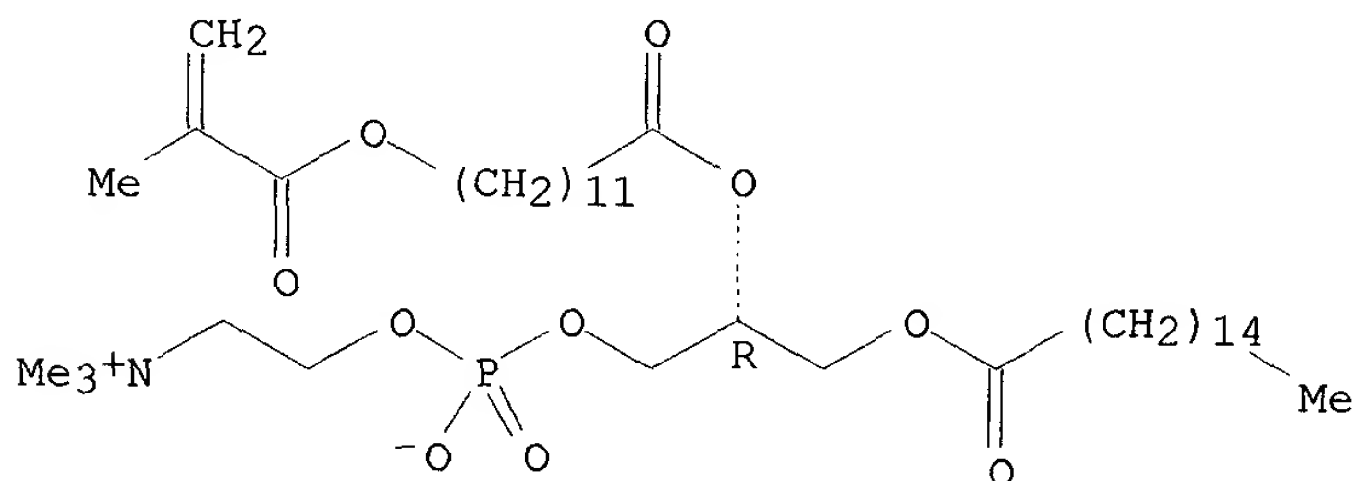
unclassified); SPN (Synthetic preparation); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

(novel targeted ultrasound imaging contrast agents for diagnostic and therapeutic use)

RN 79481-27-9 HCAPLUS

CN 3,5,8,21-Tetraoxa-4-phosphatetracos-23-en-1-aminium, 4-hydroxy-N,N,N,23-tetramethyl-9,22-dioxo-7-[[[(1-oxohexadecyl)oxy]methyl]-, inner salt, 4-oxide, (7R)- (9CI) (CA INDEX NAME)

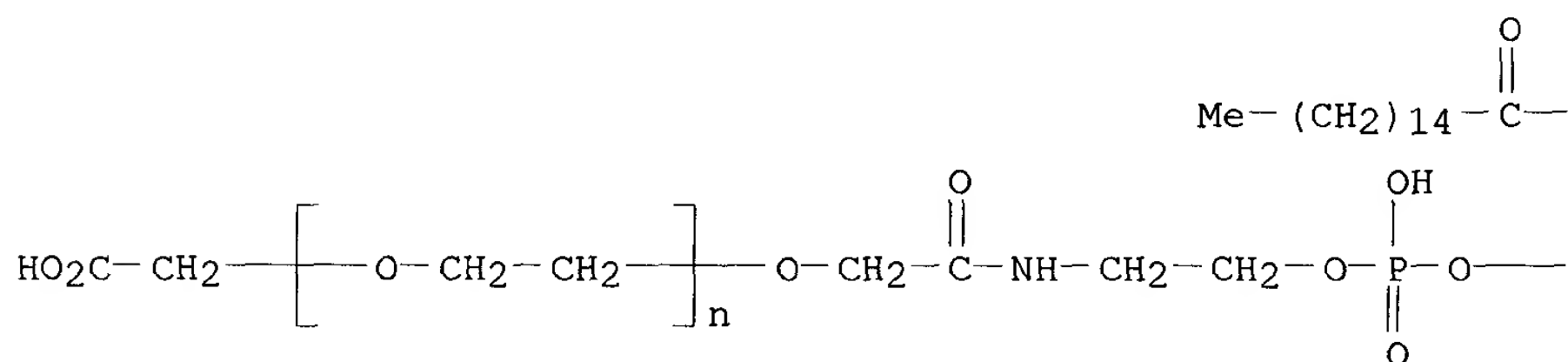
Absolute stereochemistry.



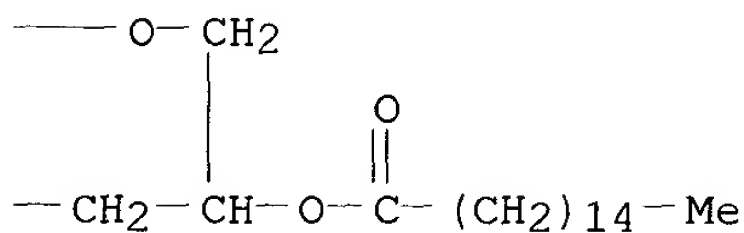
RN 186750-22-1 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-(carboxymethyl)-.omega.-[[[(10R)-7-hydroxy-7-oxido-2,13-dioxo-10-[(1-oxohexadecyl)oxy]-6,8,12-trioxa-3-aza-7-phosphaoctacos-1-yl]oxy]- (9CI) (CA INDEX NAME)

PAGE 1-A



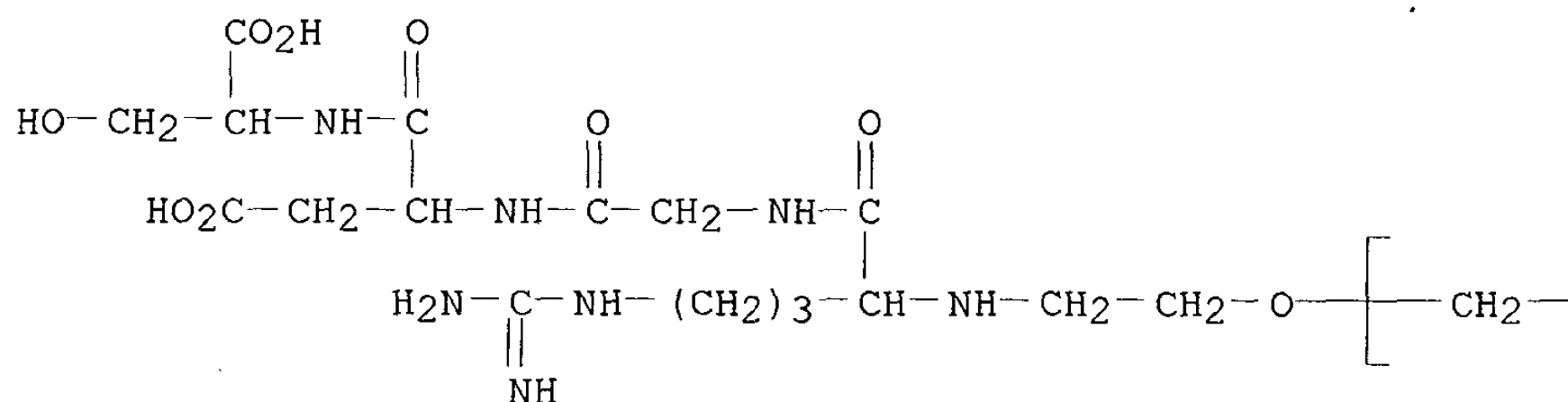
PAGE 1-B



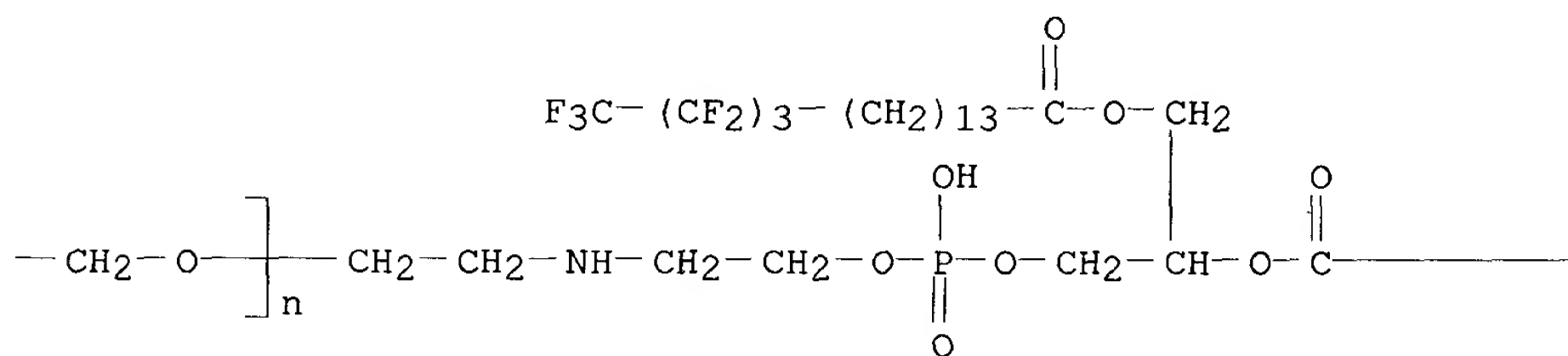
RN 221553-32-8 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-[(10R)-27,27,28,28,29,29,30,30,30-nonafluoro-7-hydroxy-10-[(15,15,16,16,17,17,18,18,18-nonafluoro-1-oxooctadecyl)oxy]-7-oxido-13-oxo-6,8,12-trioxa-3-aza-7-phosphatritriacont-1-yl]-.omega.-hydroxy-, 1-ether with N2-(2-hydroxyethyl)-L-arginylglycyl-L-.alpha.-aspartyl-L-serine (9CI) (CA INDEX NAME)

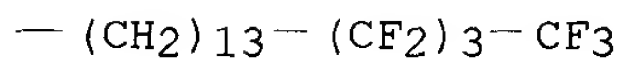
PAGE 1-A



PAGE 1-B



PAGE 1-C



IT 9005-64-5, Tween 20 129849-35-0 221553-14-6
 221553-21-5D, reaction products with polyphosphazene
 221553-36-2
 RL: ARU (Analytical role, unclassified); BUU (Biological use, unclassified); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
 (novel targeted ultrasound imaging contrast agents for diagnostic and therapeutic use)
 RN 9005-64-5 HCAPLUS

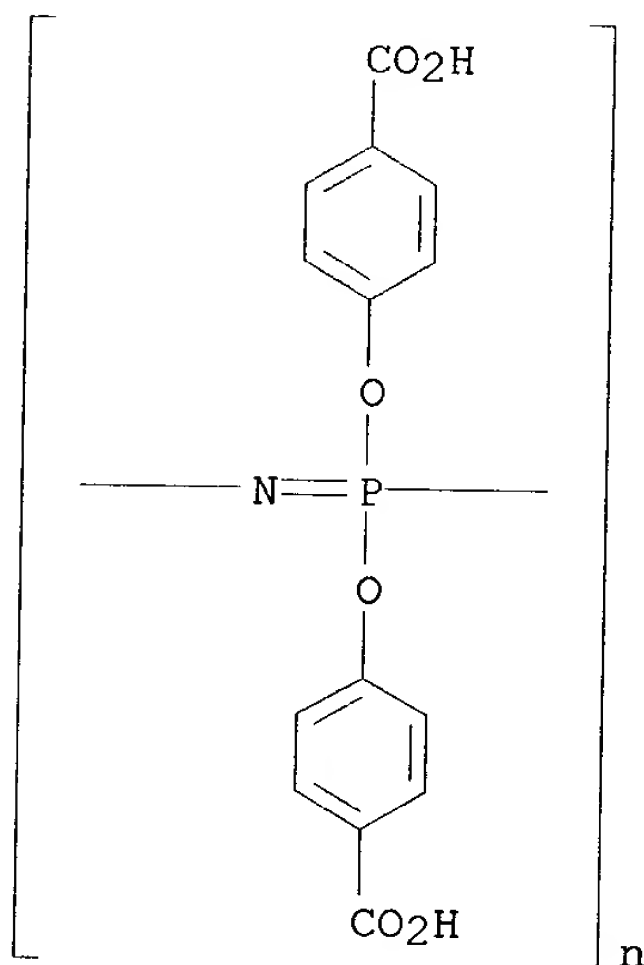
Schnizer 09/627,787

CN Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs. (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 129849-35-0 HCAPLUS

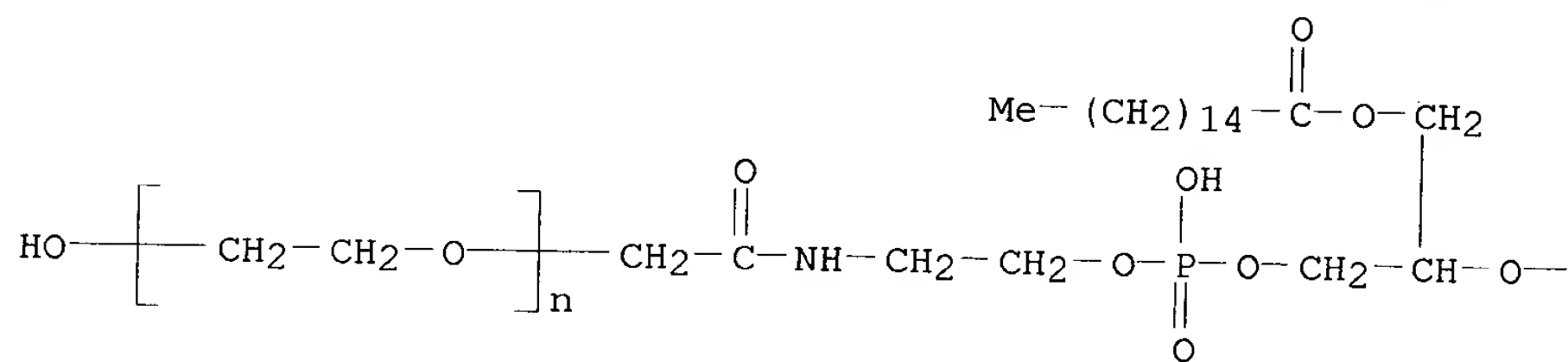
CN Poly[nitrilo[bis(4-carboxyphenoxy)phosphoranylidyne]] (9CI) (CA INDEX NAME)

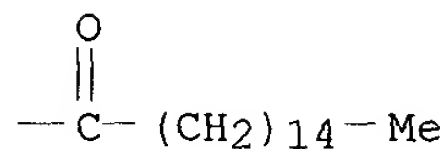


RN 221553-14-6 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-[(10R)-7-hydroxy-7-oxido-2,13-dioxo-10-[(1-oxohexadecyl)oxy]-6,8,12-trioxa-3-aza-7-phosphaoctacos-1-yl]-.omega.-hydroxy- (9CI) (CA INDEX NAME)

PAGE 1-A

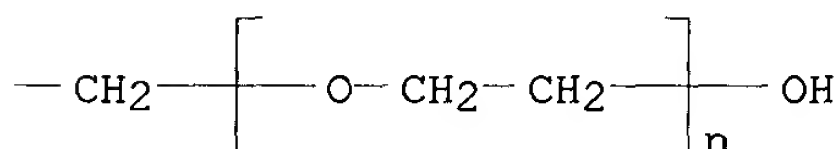




RN 221553-21-5 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, monoether with
N2-(2-hydroxyethyl)-L-lysyl-L-glutaminy-L-alanylglycyl-L-.alpha.-aspartyl-
L-valine (9CI) (CA INDEX NAME)

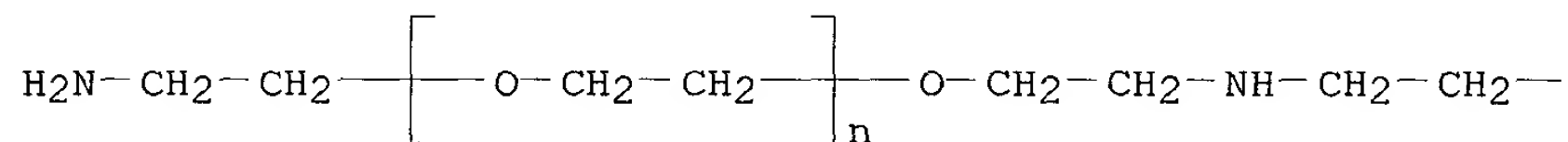
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

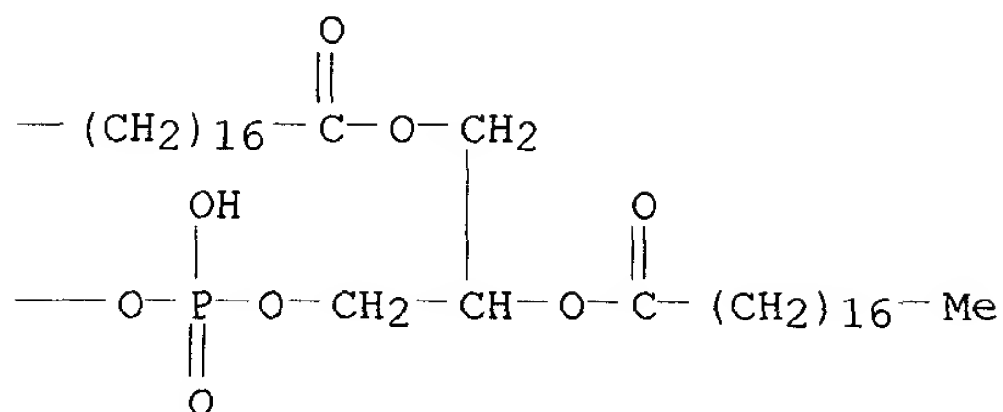


RN 221553-36-2 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-(2-aminoethyl)-.omega.-[[(10R)-7-hydroxy-
7-oxido-13-oxo-10-[(1-oxooctadecyl)oxy]-6,8,12-trioxa-3-aza-7-
phosphatriacont-1-yl]oxy]- (9CI) (CA INDEX NAME)

Me---





IT **9001-84-7**, Phospholipase A2

RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BUU (Biological use, unclassified); BIOL (Biological study); PROC (Process); USES (Uses)

(novel targeted ultrasound imaging contrast agents for diagnostic and therapeutic use)

RN 9001-84-7 HCAPLUS

CN Phospholipase A2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

IT **106096-93-9**, Basic fibroblast growth factor

RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)

(novel targeted ultrasound imaging contrast agents for diagnostic and therapeutic use)

RN 106096-93-9 HCAPLUS

CN Fibroblast growth factor, basic (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

IT **127464-60-2**, Vascular endothelial growth factor

RL: BPR (Biological process); BSU (Biological study, unclassified); BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)

(novel targeted ultrasound imaging contrast agents for diagnostic and therapeutic use)

RN 127464-60-2 HCAPLUS

CN Vascular endothelial growth factor (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

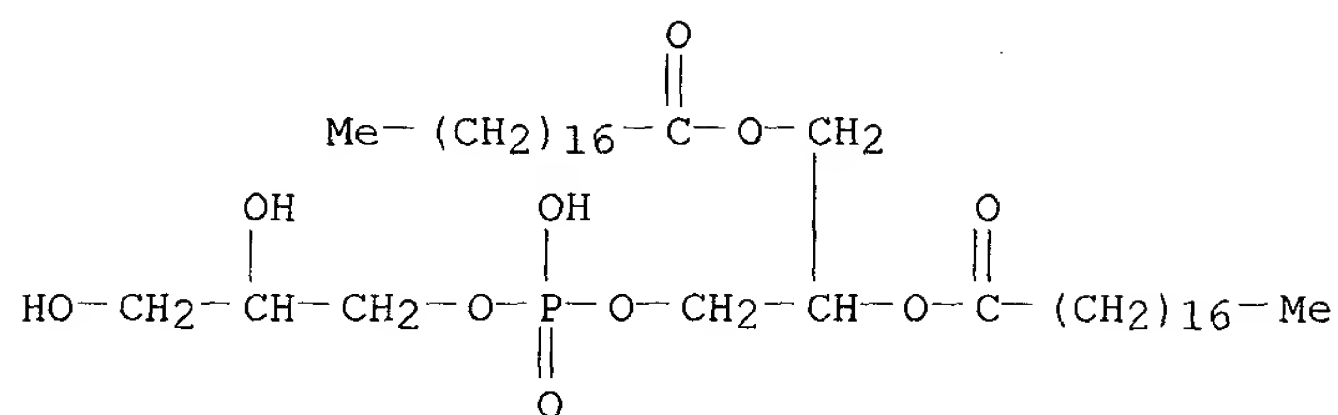
IT **4537-78-4**, Distearoylphosphatidylglycerol **9005-49-6**, Heparin, biological studies **9012-76-4D**, Chitosan, basic fibroblast growth hormone **conjugate 18883-66-4**, Streptozocin **51110-01-1**, Somatostatin

RL: BPR (Biological process); BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)

(novel targeted ultrasound imaging contrast agents for diagnostic and therapeutic use)

RN 4537-78-4 HCAPLUS

CN Octadecanoic acid, 1-[[[(2,3-dihydroxypropoxy)hydroxyphosphinyl]oxy]methyl]-1,2-ethanediyl ester (9CI) (CA INDEX NAME)



RN 9005-49-6 HCAPLUS
 CN Heparin (8CI, 9CI) (CA INDEX NAME)

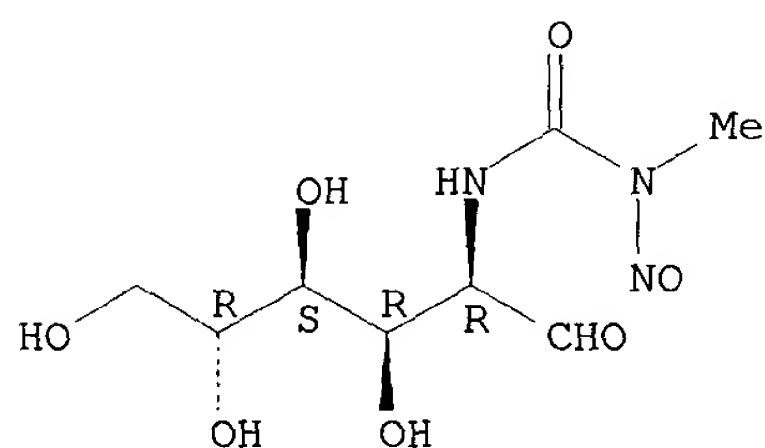
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 9012-76-4 HCAPLUS
 CN Chitosan (8CI, 9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 18883-66-4 HCAPLUS
 CN D-Glucose, 2-deoxy-2-[[(methylnitrosoamino) carbonyl] amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 51110-01-1 HCAPLUS
 CN Somatostatin (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

IT **7440-70-2**, Calcium, biological studies **106392-12-5**,
 Pluronic F 68 **221553-50-0**
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (novel targeted ultrasound imaging contrast agents for diagnostic and
 therapeutic use)

RN 7440-70-2 HCAPLUS
 CN Calcium (8CI, 9CI) (CA INDEX NAME)

Ca

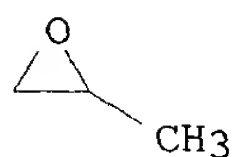
RN 106392-12-5 HCAPLUS
 CN Oxirane, methyl-, polymer with oxirane, block (9CI) (CA INDEX NAME)

Schnizer 09/627,787

CM 1

CRN 75-56-9

CMF C3 H6 O



CM 2

CRN 75-21-8

CMF C2 H4 O



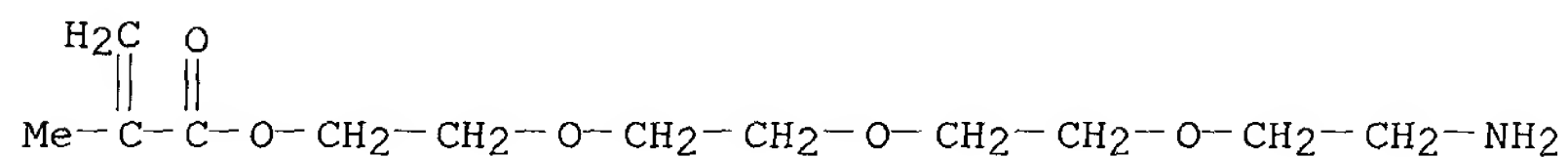
RN 221553-50-0 HCAPLUS

CN 2-Propenoic acid, 3-cyano-2-methyl-, methyl ester, polymer with
2-[2-[2-(2-aminoethoxy)ethoxy]ethoxy]ethyl 2-methyl-2-propenoate (9CI)
(CA INDEX NAME)

CM 1

CRN 221553-49-7

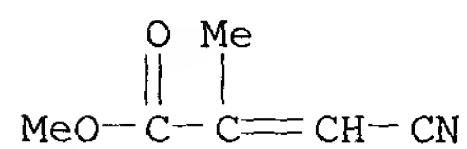
CMF C12 H23 N O5



CM 2

CRN 66396-68-7

CMF C6 H7 N O2



IT 24991-23-9 25513-46-6, Polyglutamic acid

RL: BUU (Biological use, unclassified); RCT (Reactant); BIOL (Biological

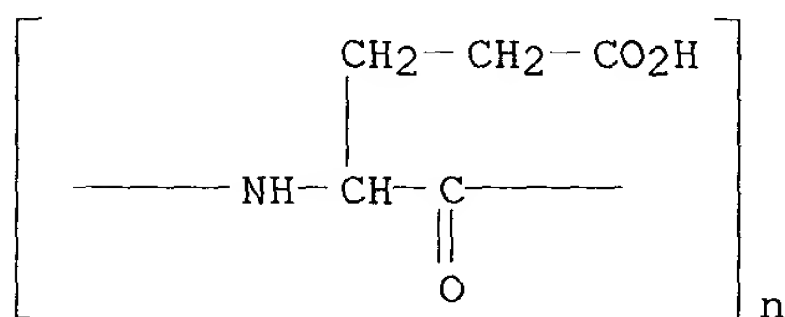
Schnizer 09/627,787

study); USES (Uses)

(novel targeted ultrasound imaging contrast agents for diagnostic and therapeutic use)

RN 24991-23-9 HCAPLUS

CN Poly[imino[(1S)-1-(2-carboxyethyl)-2-oxo-1,2-ethanediyl]] (9CI) (CA INDEX NAME)



RN 25513-46-6 HCAPLUS

CN L-Glutamic acid, homopolymer (9CI) (CA INDEX NAME)

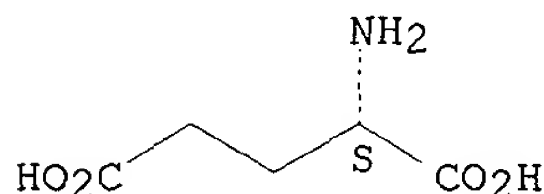
CM 1

CRN 56-86-0

CMF C5 H9 N O4

CDES 5:L

Absolute stereochemistry.



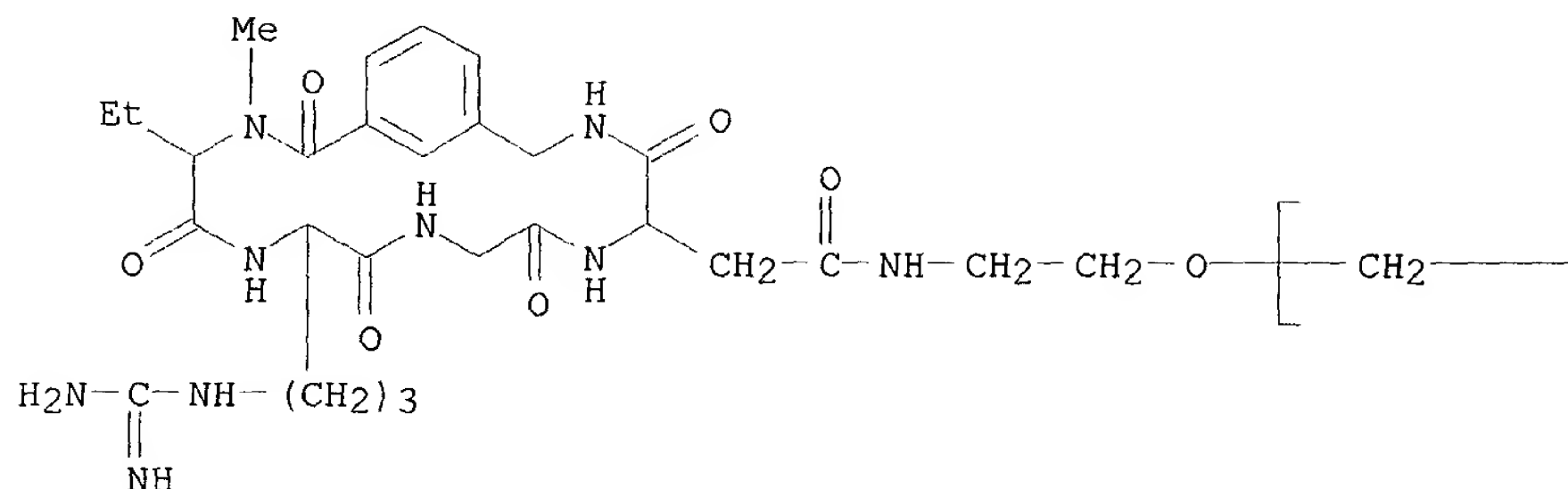
IT 221553-52-2P

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(novel targeted ultrasound imaging contrast agents for diagnostic and therapeutic use)

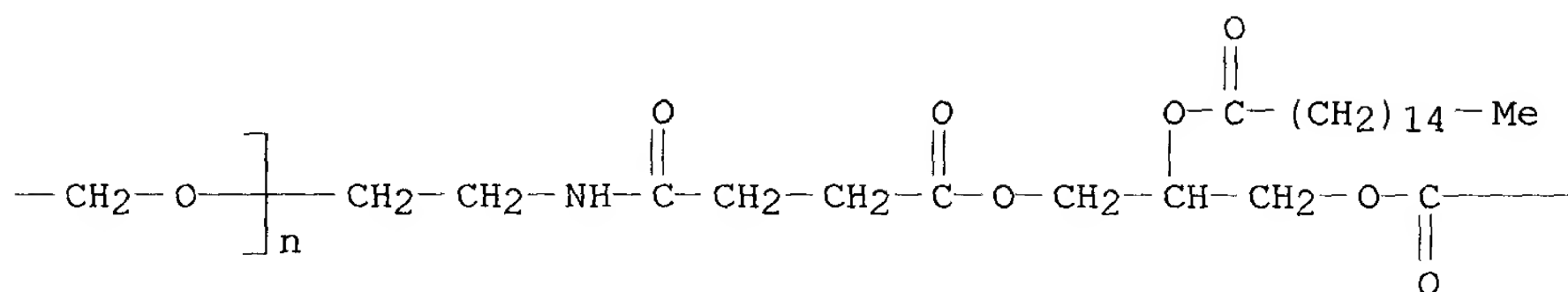
RN 221553-52-2 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-[2-[[4-[(2R)-2,3-bis[(1-oxohexadecyl)oxy]propoxy]-1,4-dioxobutyl]amino]ethyl]-.omega.-hydroxy-, ether with cyclo[L-arginylglycyl-N-(2-hydroxyethyl)-L-asparaginy]-3-(aminomethyl)benzoyl-(2R)-2-(methylamino)butanoyl] (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



PAGE 1-C

$$-(\text{CH}_2)_{14}-\text{Me}$$

IT 221553-37-3p

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

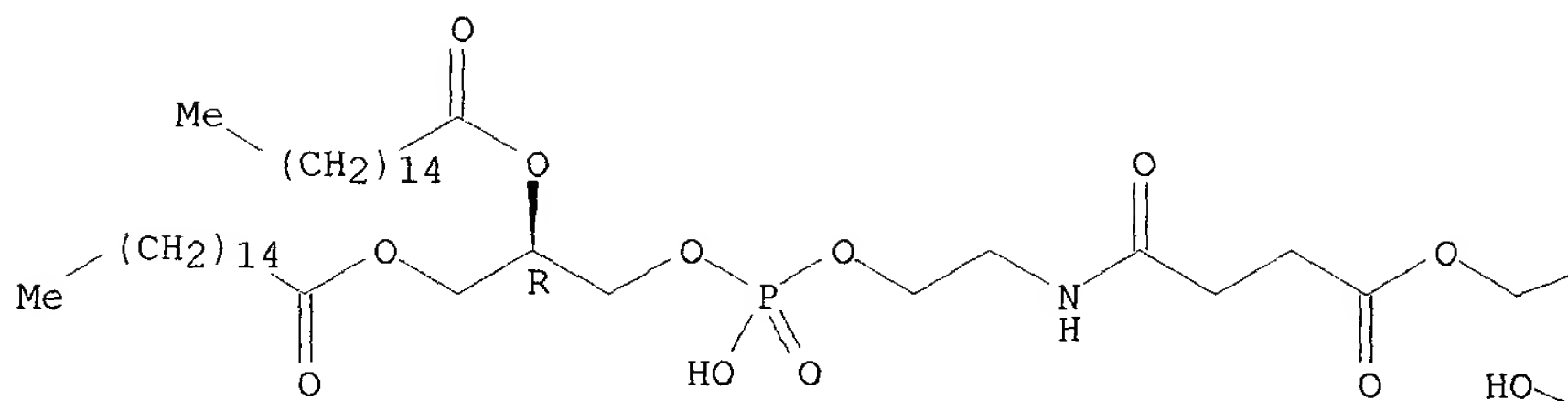
(novel targeted ultrasound imaging contrast agents for diagnostic and therapeutic use)

RN 221553-37-3 HCAPLUS

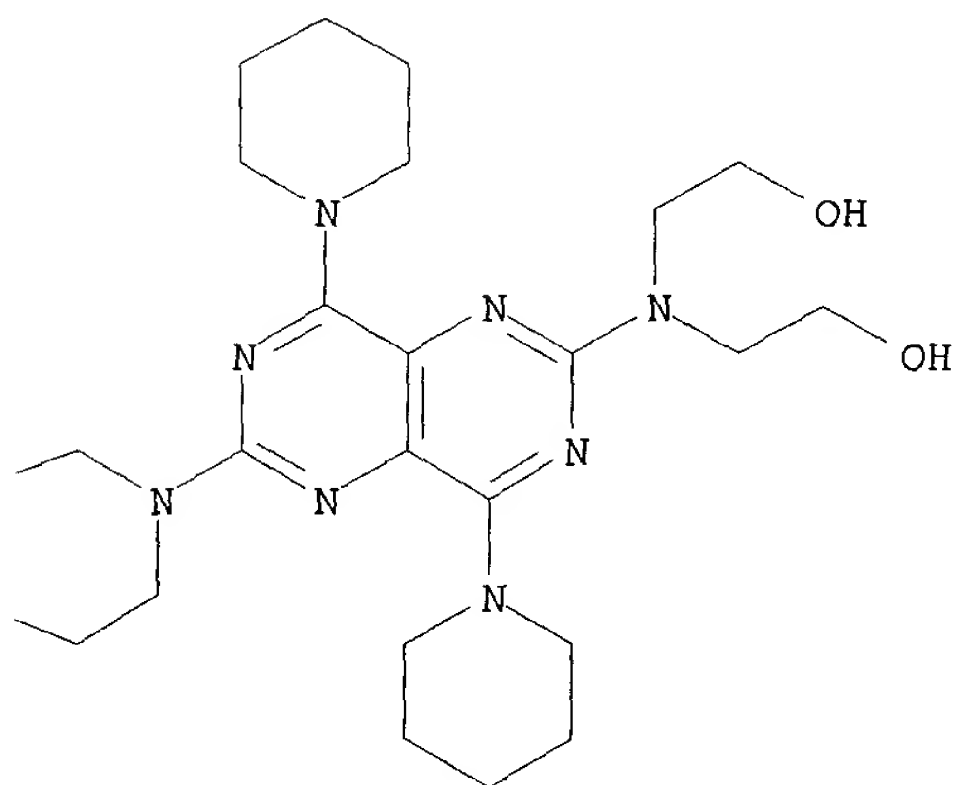
CN 8,10,14-Trioxa-5-aza-9-phosphatriacontanoic acid, 9-hydroxy-4,15-dioxo-12-
[(1-oxohexadecyl)oxyl]-, 2-[[6-[bis(2-hydroxyethyl)amino]-4,8-di-1-
piperidinyl]pyrimido[5,4-d]pyrimidin-2-yl](2-hydroxyethyl)amino]ethyl
ester, 9-oxide, (12R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



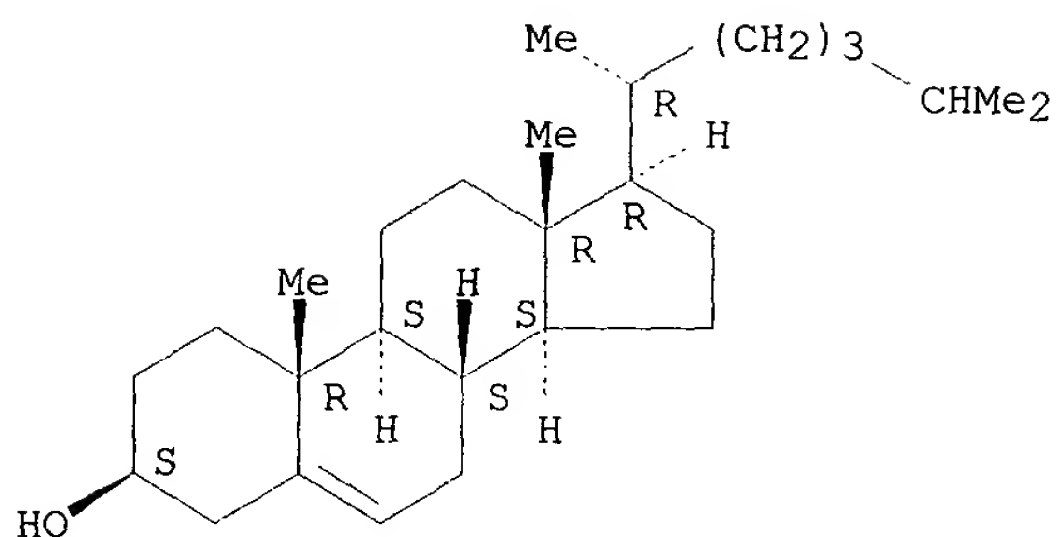
PAGE 1-B



IT 57-88-5, Cholest-5-en-3-ol (3.beta.)-, biological studies
 58-32-2, Dipyridamole 81-81-2, Warfarin
 RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)
 (novel targeted ultrasound imaging contrast agents for diagnostic and
 therapeutic use)
 RN 57-88-5 HCAPLUS
 CN Cholest-5-en-3-ol (3.beta.)- (9CI) (CA INDEX NAME)

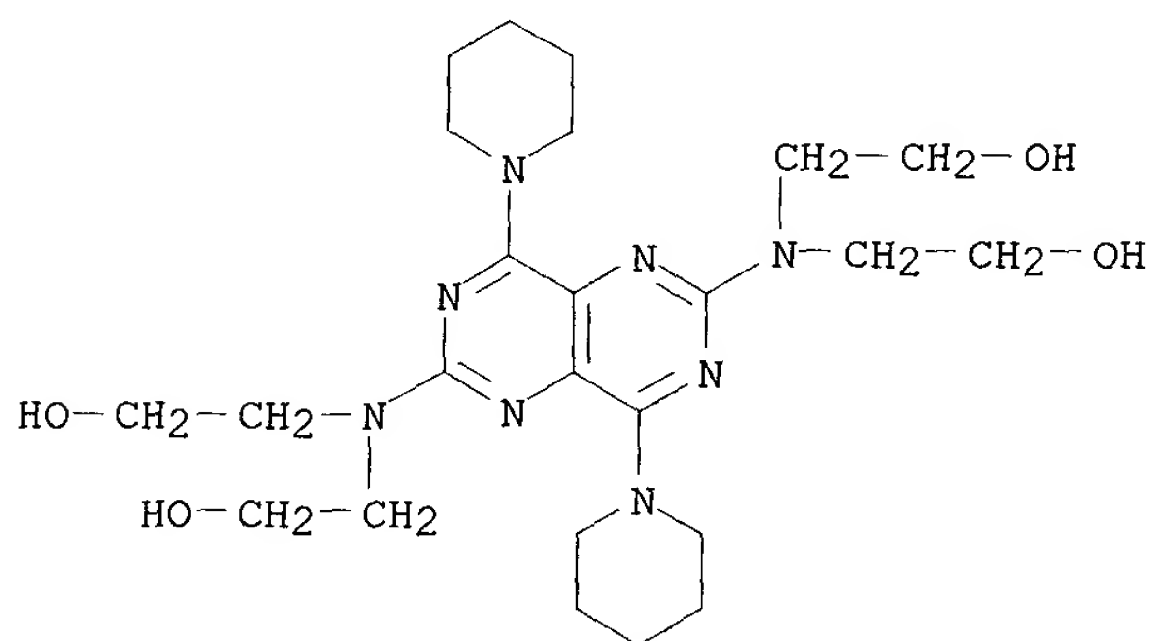
Absolute stereochemistry.

Schnizer 09/627,787



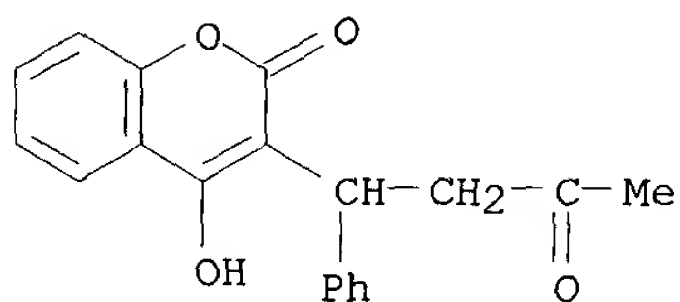
RN 58-32-2 HCAPLUS

CN Ethanol, 2,2',2'',2'''-[(4,8-di-1-piperidinylpyrimido[5,4-d]pyrimidine-2,6-diyl)dinitrilo]tetrakis- (9CI) (CA INDEX NAME)



RN 81-81-2 HCAPLUS

CN 2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)- (9CI) (CA INDEX NAME)



IT 74-88-4, Iodomethane, reactions 110-70-3,
N,N'-Dimethylethylenediamine 143-27-1, Hexadecylamine
407-25-0, Trifluoroacetic acid anhydride 505-95-3,
12-Hydroxy dodecanoic acid 598-21-0, .alpha.-Bromoacetyl bromide
623-65-4, Palmitoyl anhydride 920-46-7, Methacryloyl
chloride 1069-79-0 4196-35-4 5505-63-5,
D-Mannosamine hydrochloride 6066-82-6, N-Hydroxysuccinimide
23911-25-3, Ethylenediaminetetraacetic acid dianhydride

Schnizer 09/627,787

24424-99-5 24991-53-5 28319-77-9,
L-.alpha.-Glycerophosphocholine 32130-27-1 36653-82-4,
Hexadecyl alcohol 39927-08-7 68181-17-9
80755-87-9 91037-65-9 108032-13-9
139729-28-5 150525-42-1 186750-27-6
221553-26-0 221553-39-5 221553-42-0
221553-51-1

RL: RCT (Reactant)

(novel targeted ultrasound imaging contrast agents for diagnostic and
therapeutic use)

RN 74-88-4 HCAPLUS

CN Methane, iodo- (8CI, 9CI) (CA INDEX NAME)

$\text{H}_3\text{C}-\text{I}$

RN 110-70-3 HCAPLUS

CN 1,2-Ethanediamine, N,N'-dimethyl- (9CI) (CA INDEX NAME)

$\text{MeNH}-\text{CH}_2-\text{CH}_2-\text{NHMe}$

RN 143-27-1 HCAPLUS

CN 1-Hexadecanamine (9CI) (CA INDEX NAME)

$\text{H}_2\text{N}-(\text{CH}_2)_{15}-\text{Me}$

RN 407-25-0 HCAPLUS

CN Acetic acid, trifluoro-, anhydride (6CI, 8CI, 9CI) (CA INDEX NAME)

$$\begin{array}{c} \text{O} \quad \text{O} \\ || \quad || \\ \text{F}_3\text{C}-\text{C}-\text{O}-\text{C}-\text{CF}_3 \end{array}$$

RN 505-95-3 HCAPLUS

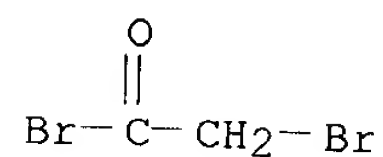
CN Dodecanoic acid, 12-hydroxy- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

$\text{HO}_2\text{C}-(\text{CH}_2)_{11}-\text{OH}$

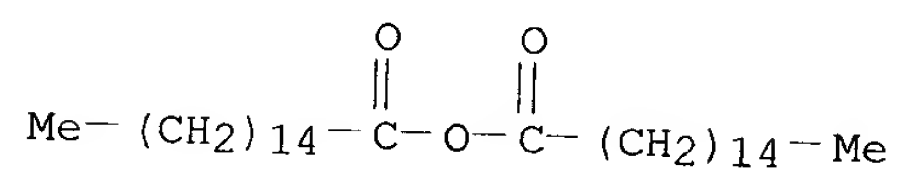
RN 598-21-0 HCAPLUS

CN Acetyl bromide, bromo- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

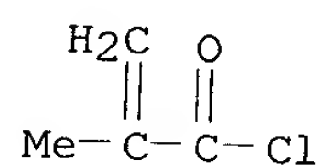
Schnizer 09/627,787



RN 623-65-4 HCAPLUS
CN Hexadecanoic acid, anhydride (9CI) (CA INDEX NAME)

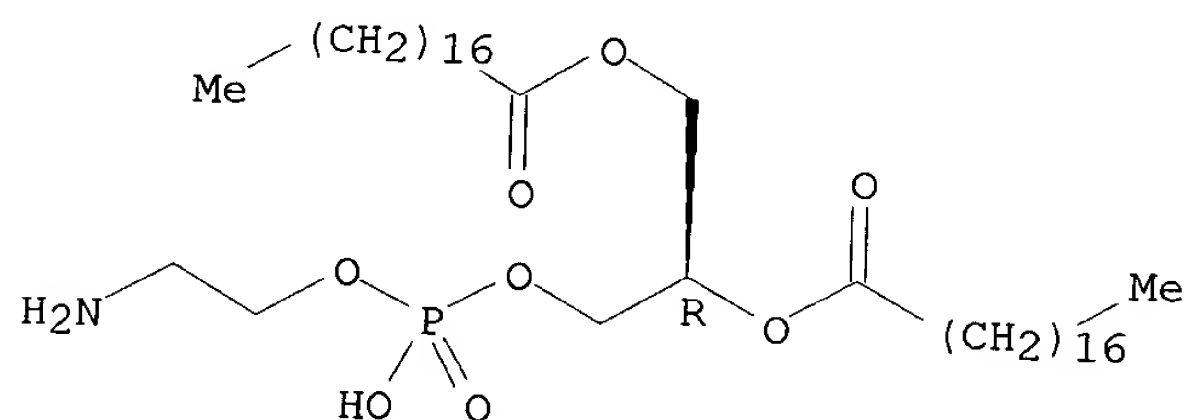


RN 920-46-7 HCAPLUS
CN 2-Propenoyl chloride, 2-methyl- (9CI) (CA INDEX NAME)



RN 1069-79-0 HCAPLUS
CN Octadecanoic acid, (1R)-1-[[[(2-aminoethoxy)hydroxyphosphinyl]oxy]methyl]-1,2-ethanediyl ester (9CI) (CA INDEX NAME)

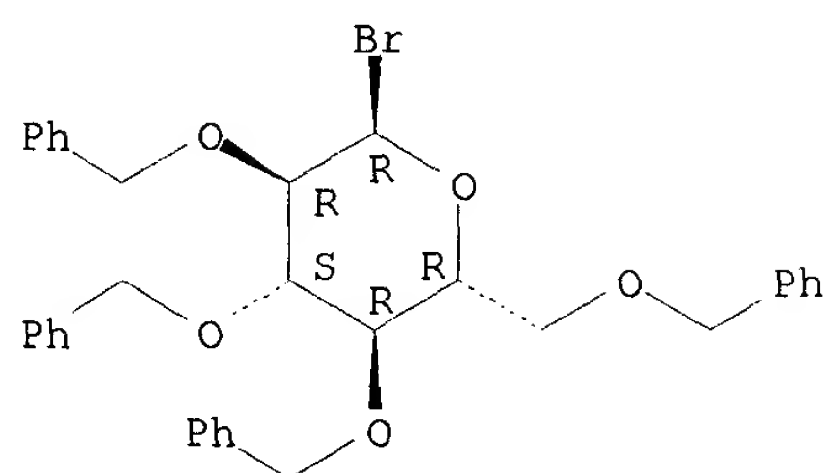
Absolute stereochemistry.



RN 4196-35-4 HCAPLUS
CN .alpha.-D-Glucopyranosyl bromide, 2,3,4,6-tetrakis-O-(phenylmethyl)- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.

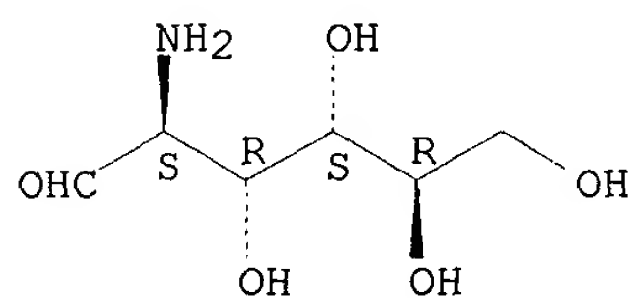
Schnizer 09/627,787



RN 5505-63-5 HCAPLUS

CN D-Mannose, 2-amino-2-deoxy-, hydrochloride (9CI) (CA INDEX NAME)

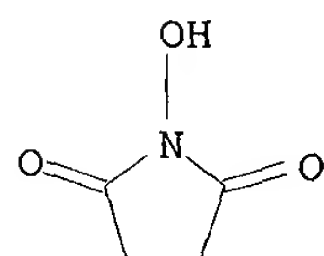
Absolute stereochemistry.



● HCl

RN 6066-82-6 HCAPLUS

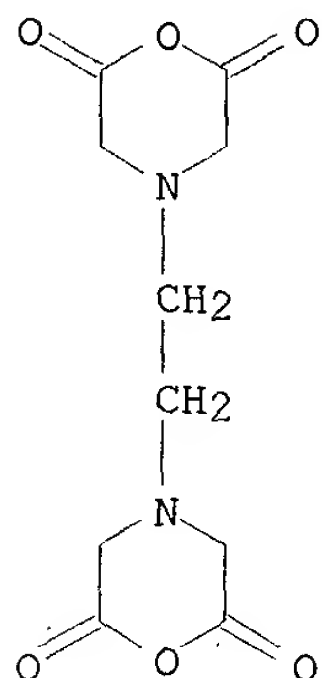
CN 2,5-Pyrrolidinedione, 1-hydroxy- (9CI) (CA INDEX NAME)



RN 23911-25-3 HCAPLUS

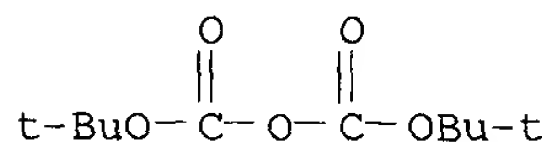
CN 2,6-Morpholinedione, 4,4'-(1,2-ethanediyl)bis- (9CI) (CA INDEX NAME)

Schnizer 09/627,787



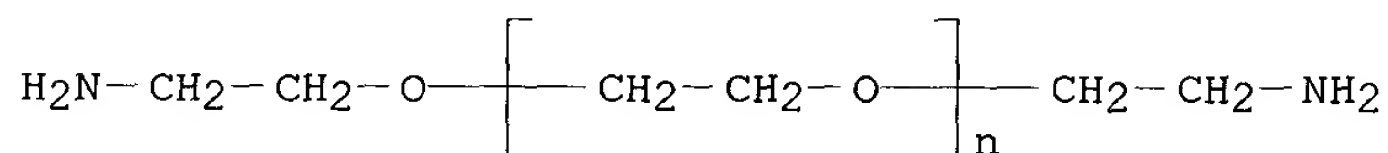
RN 24424-99-5 HCAPLUS

CN Dicarmonic acid, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)



RN 24991-53-5 HCAPLUS

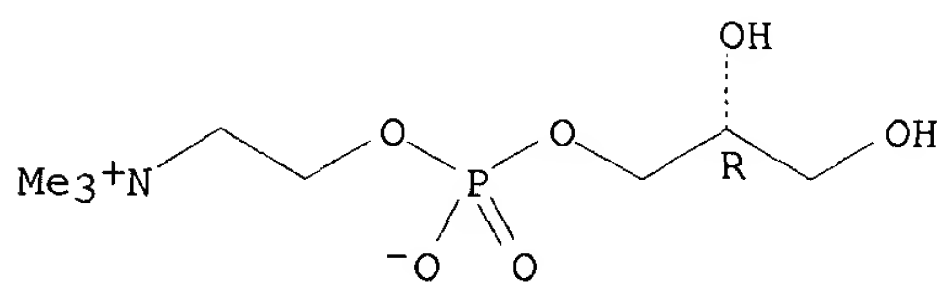
CN Poly(oxy-1,2-ethanediyl), .alpha.-(2-aminoethyl)-.omega.-(2-aminoethoxy)- (9CI) (CA INDEX NAME)



RN 28319-77-9 HCAPLUS

CN Ethanaminium, 2-[[[(2R)-2,3-dihydroxypropoxy]hydroxyphosphinyl]oxy]-N,N,N-trimethyl-, inner salt (9CI) (CA INDEX NAME)

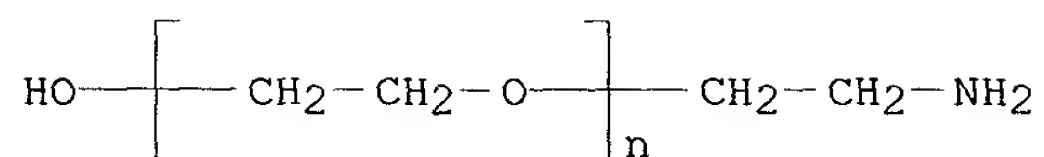
Absolute stereochemistry.



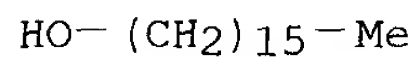
RN 32130-27-1 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-(2-aminoethyl)-.omega.-hydroxy- (9CI) (CA INDEX NAME)

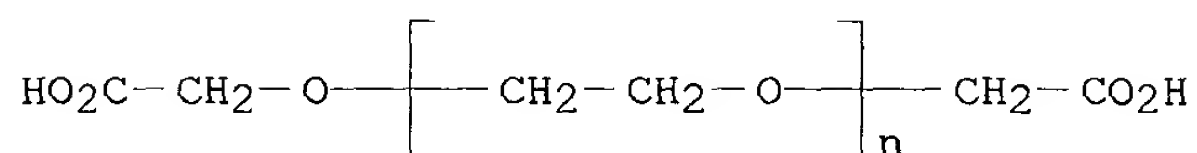
Schnizer 09/627,787



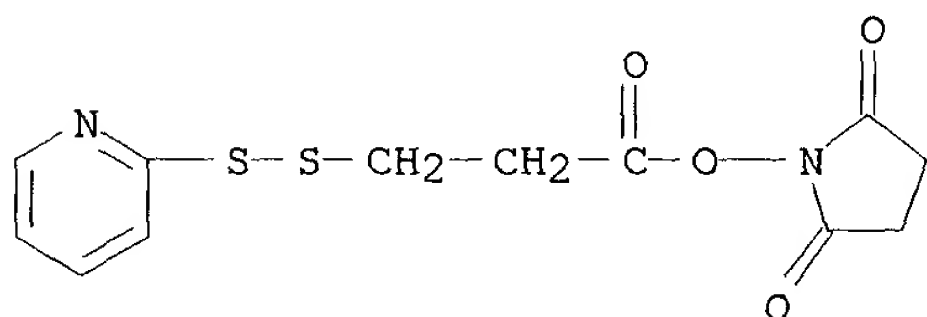
RN 36653-82-4 HCAPLUS
CN 1-Hexadecanol (9CI) (CA INDEX NAME)



RN 39927-08-7 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-(carboxymethyl)-.omega.-(carboxymethoxy)-
(9CI) (CA INDEX NAME)

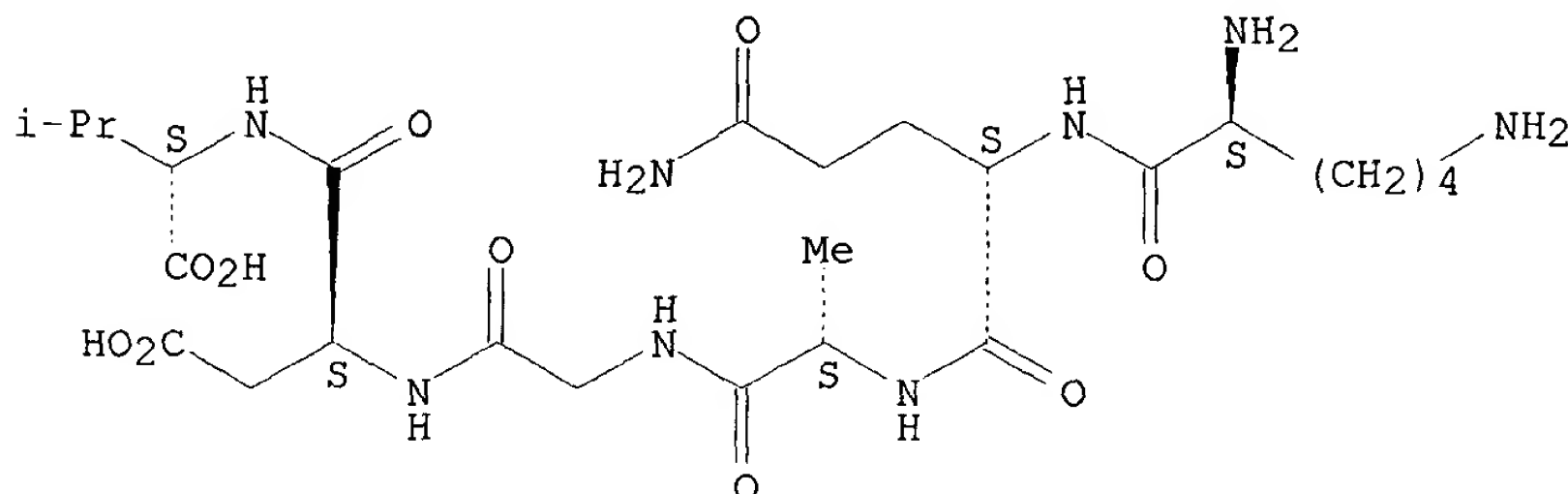


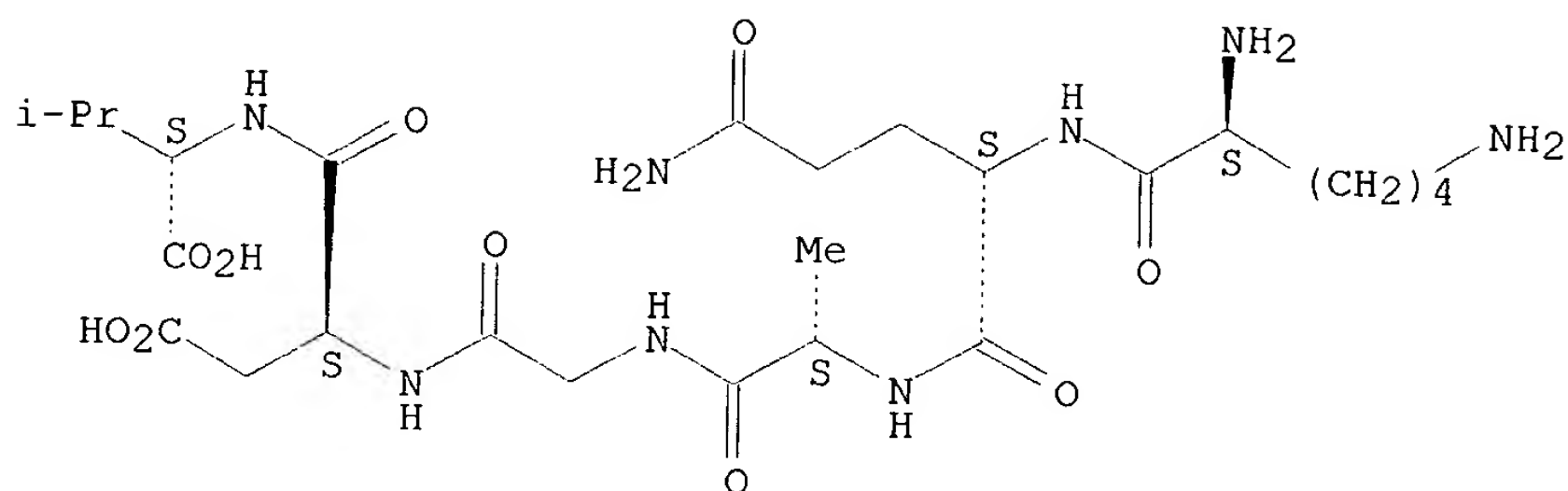
RN 68181-17-9 HCAPLUS
CN 2,5-Pyrrolidinedione, 1-[1-oxo-3-(2-pyridinyldithio)propoxy]- (9CI) (CA INDEX NAME)



RN 80755-87-9 HCAPLUS
CN L-Valine, L-lysyl-L-glutaminy-L-alanylglycyl-L-.alpha.-aspartyl- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.

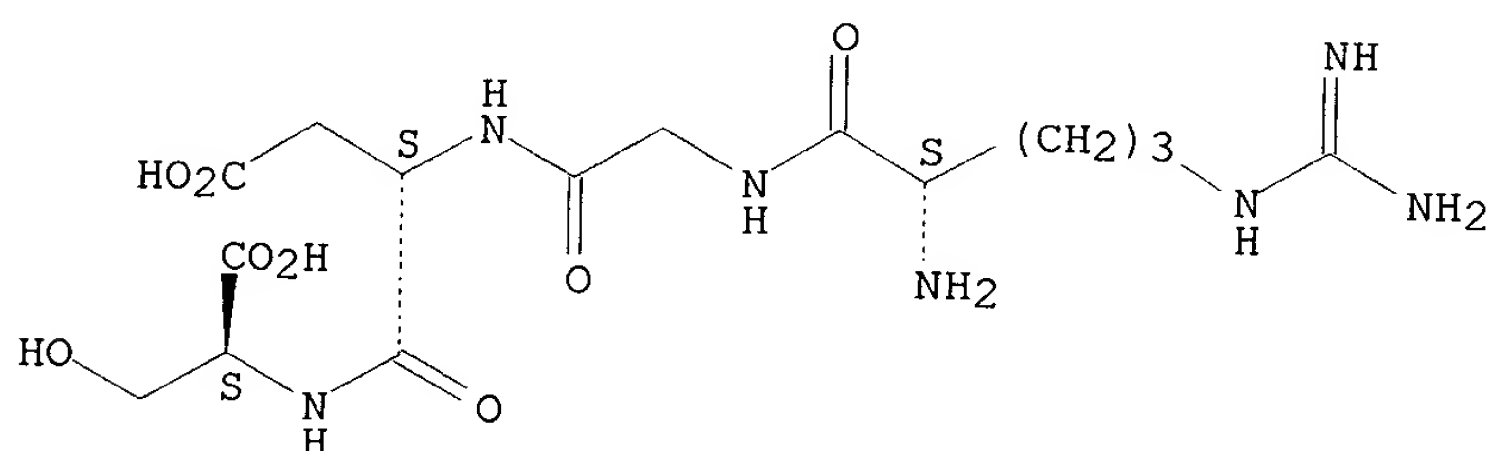




RN 91037-65-9 HCAPLUS

CN L-Serine, L-arginylglycyl-L-.alpha.-aspartyl- (9CI) (CA INDEX NAME)

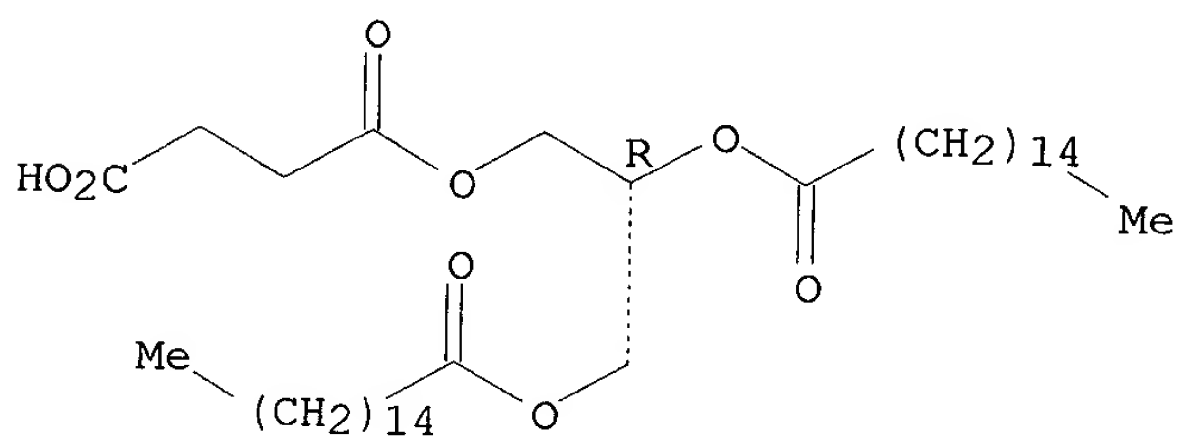
Absolute stereochemistry. Rotation (-).



RN 108032-13-9 HCAPLUS

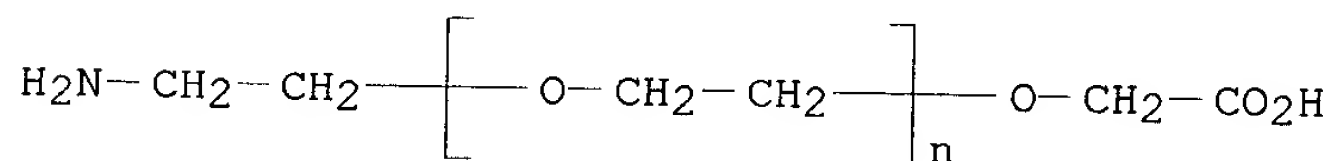
CN Butanedioic acid, mono[(2R)-2,3-bis[(1-oxohexadecyl)oxy]propyl] ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 139729-28-5 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-(2-aminoethyl)-.omega.-(carboxymethoxy)- (9CI) (CA INDEX NAME)

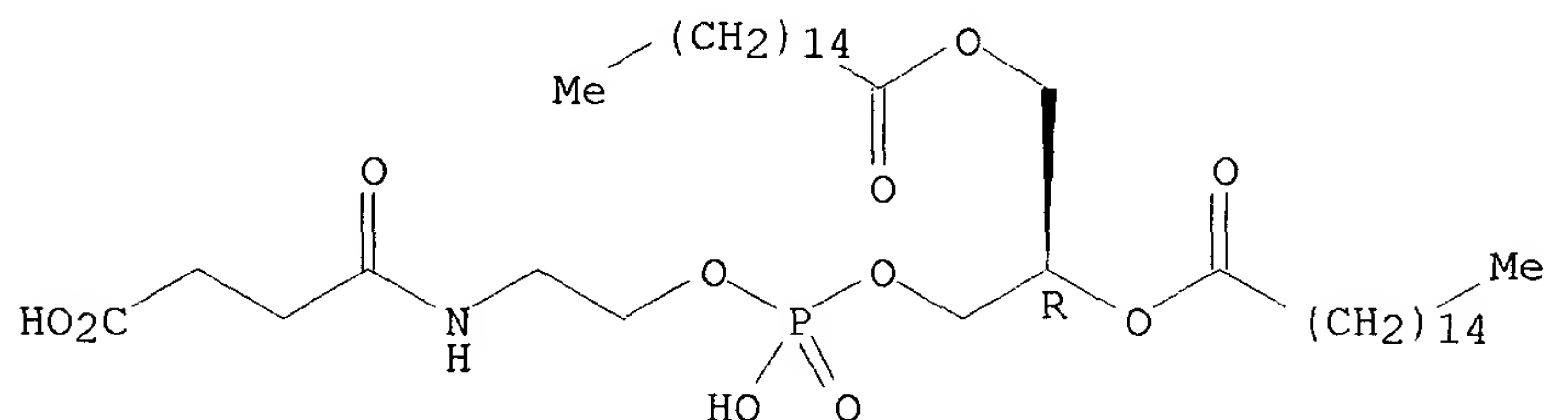


Schnizer 09/627,787

RN 150525-42-1 HCAPLUS

CN 8,10,14-Trioxa-5-aza-9-phosphatriacontanoic acid, 9-hydroxy-4,15-dioxo-12-
[(1-oxohexadecyl)oxy]-, 9-oxide, (12R)- (9CI) (CA INDEX NAME)

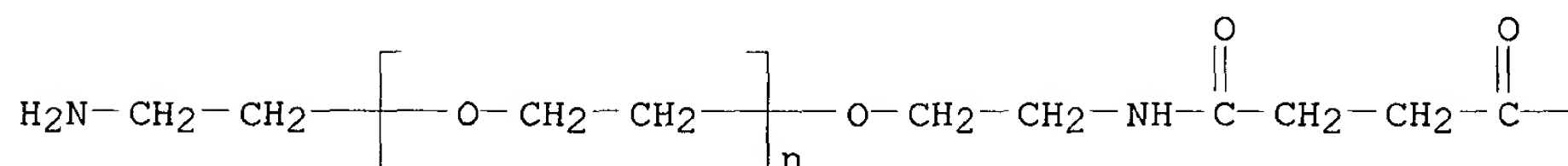
Absolute stereochemistry.



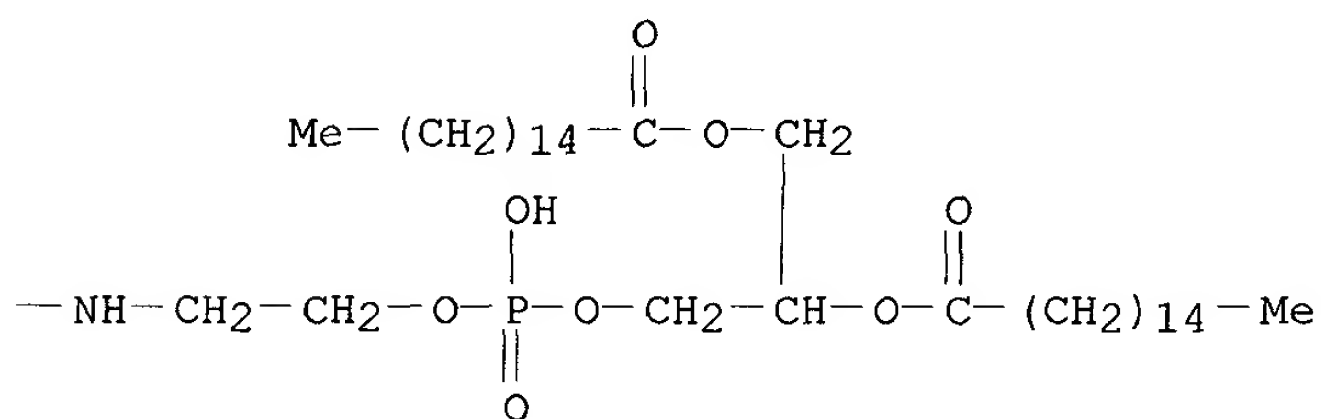
RN 186750-27-6 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-(2-aminoethyl)-.omega.-[[(15R)-12-
hydroxy-12-oxido-4,7,8-trioxo-15-[(1-oxohexadecyl)oxy]-11,13,17-trioxa-3,8-
diaz-12-phosphatritriacont-1-yl]oxy]- (9CI) (CA INDEX NAME)

PAGE 1-A



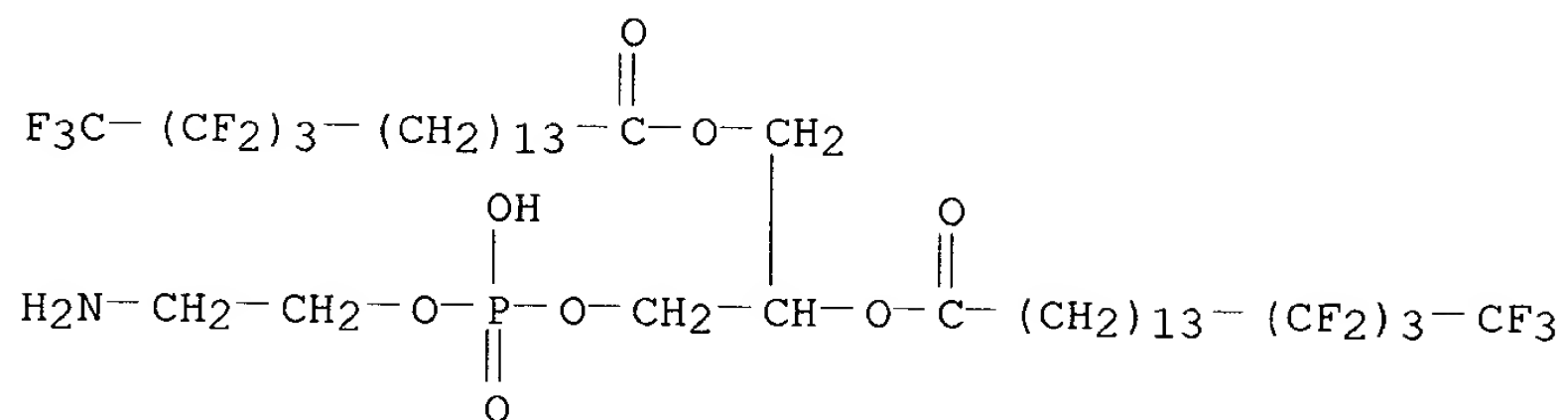
PAGE 1-B



RN 221553-26-0 HCAPLUS

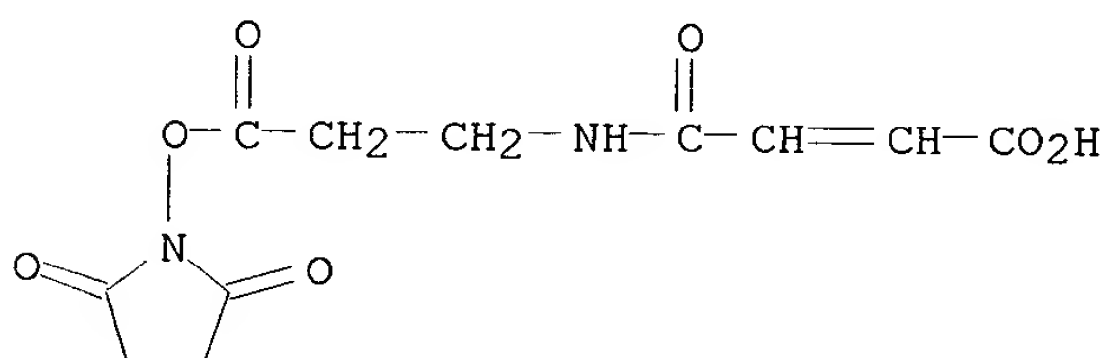
CN Octadecanoic acid, 15,15,16,16,17,17,18,18,18-nonafluoro-,
1-[[[(2-aminoethoxy)hydroxyphosphinyl]oxy]methyl]-1,2-ethanediyl ester
(9CI) (CA INDEX NAME)

Schnizer 09/627,787



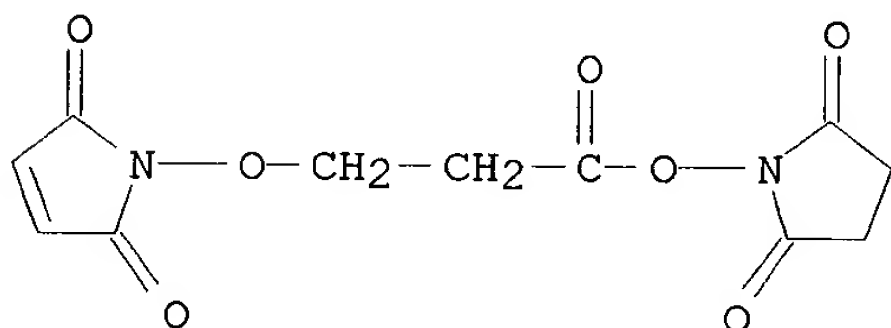
RN 221553-39-5 HCAPLUS

CN 2-Butenoic acid, 4-[[3-[(2,5-dioxo-1-pyrrolidinyl)oxy]-3-oxopropyl]amino]-4-oxo- (9CI) (CA INDEX NAME)



RN 221553-42-0 HCAPLUS

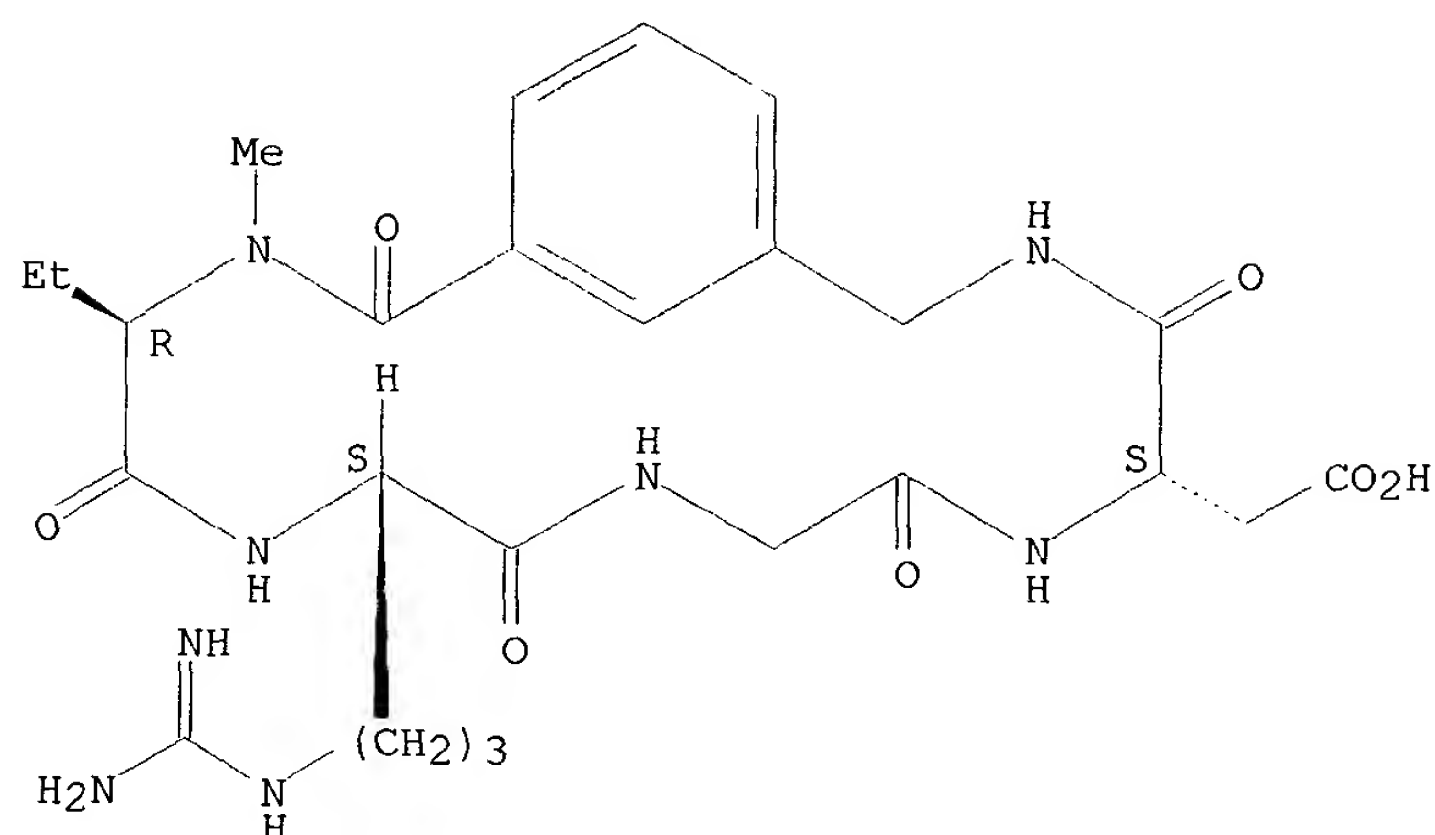
CN 1H-Pyrrole-2,5-dione, 1-[3-[(2,5-dioxo-1-pyrrolidinyl)oxy]-3-oxopropoxy]- (9CI) (CA INDEX NAME)



RN 221553-51-1 HCAPLUS

CN Cyclo[L-arginylglycyl-L-.alpha.-aspartyl-3-(aminomethyl)benzoyl-(2R)-2-(methylamino)butanoyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

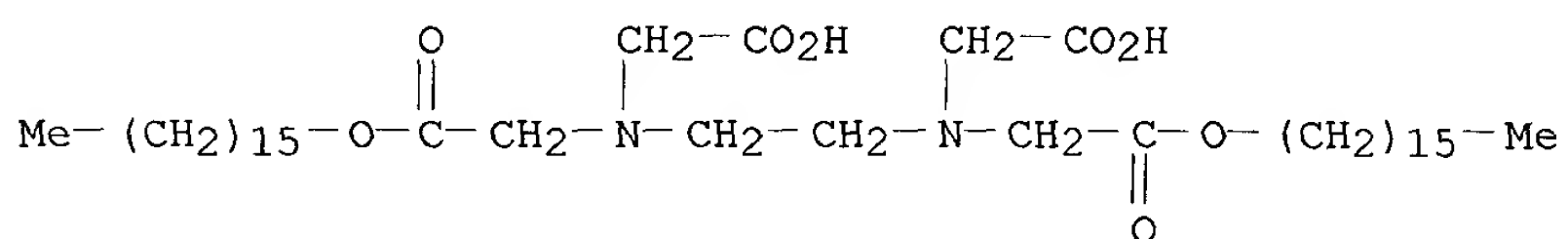


IT 56309-86-5P 78103-30-7P 79487-02-8P
 79605-84-8P 139729-27-4P 186750-12-9P
 186750-13-0P 186750-15-2P 186750-18-5P
 186750-19-6P 186750-20-9P 186750-22-1P
 186750-23-2P 186750-25-4P 186750-28-7P
 186750-29-8P 186750-33-4P 221553-04-4P
 221553-29-3P 221553-45-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (novel targeted ultrasound imaging contrast agents for diagnostic and
 therapeutic use)

RN 56309-86-5 HCAPLUS

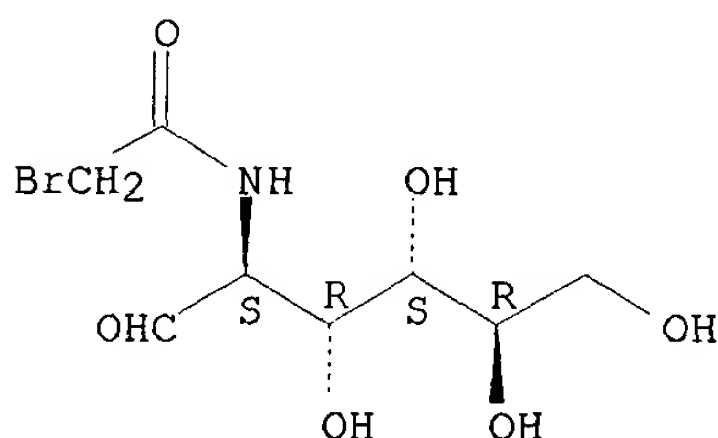
CN Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, 1,1'-dihexadecyl ester
 (9CI) (CA INDEX NAME)



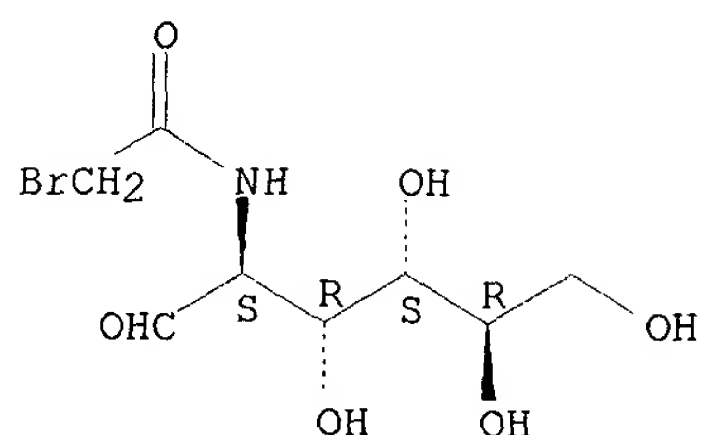
RN 78103-30-7 HCAPLUS

CN D-Mannose, 2-[(bromoacetyl)amino]-2-deoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

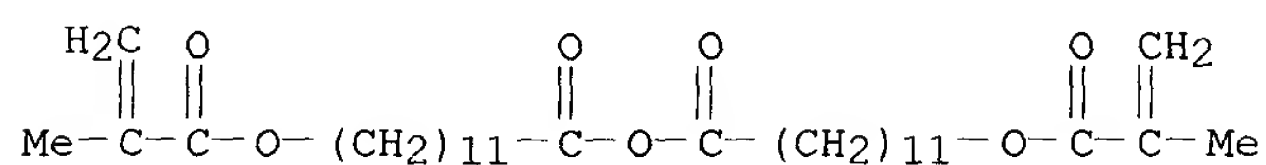


Schnizer 09/627,787



RN 79487-02-8 HCAPLUS

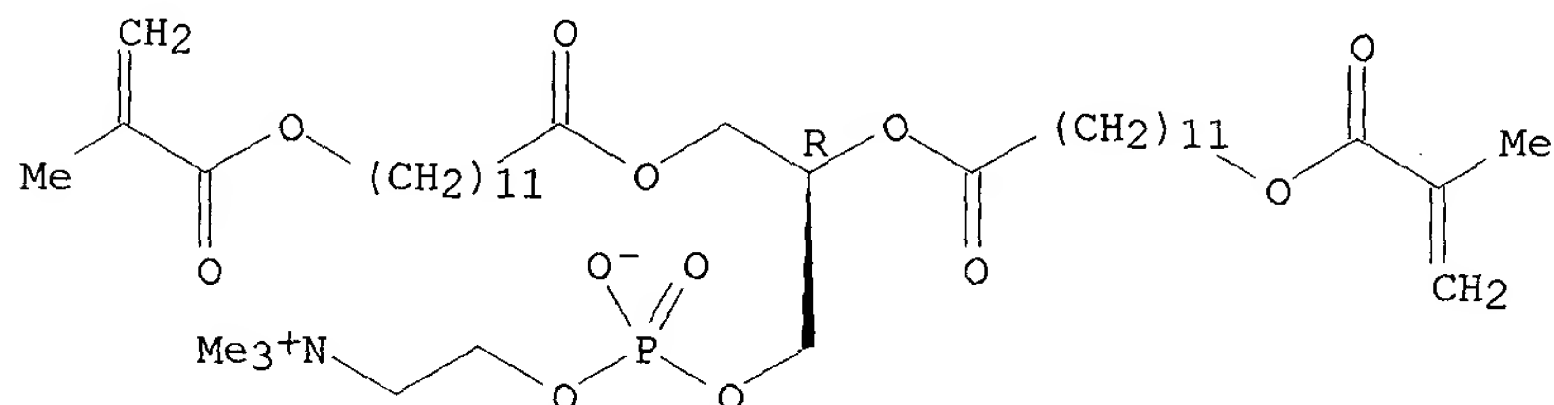
CN Dodecanoic acid, 12-[(2-methyl-1-oxo-2-propenyl)oxy]-, anhydride (9CI)
(CA INDEX NAME)



RN 79605-84-8 HCAPLUS

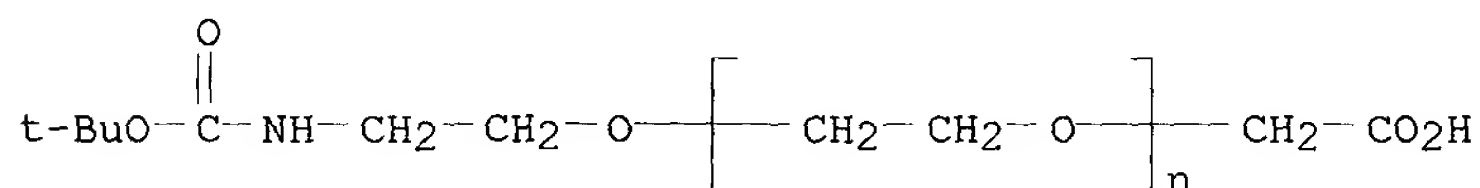
CN 3,5,9,22-Tetraoxa-4-phosphapentacos-24-en-1-aminium, 4-hydroxy-N,N,N,24-tetramethyl-7-[[12-[(2-methyl-1-oxo-2-propenyl)oxy]-1-oxododecyl]oxy]-10,23-dioxo-, inner salt, 4-oxide, (7R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



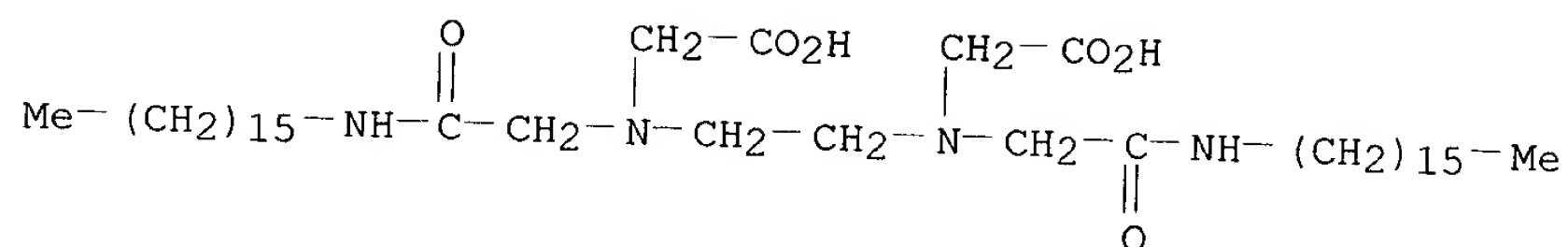
RN 139729-27-4 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-(carboxymethyl)-.omega.-[2-[[(1,1-dimethylethoxy)carbonyl]amino]ethoxy]- (9CI) (CA INDEX NAME)



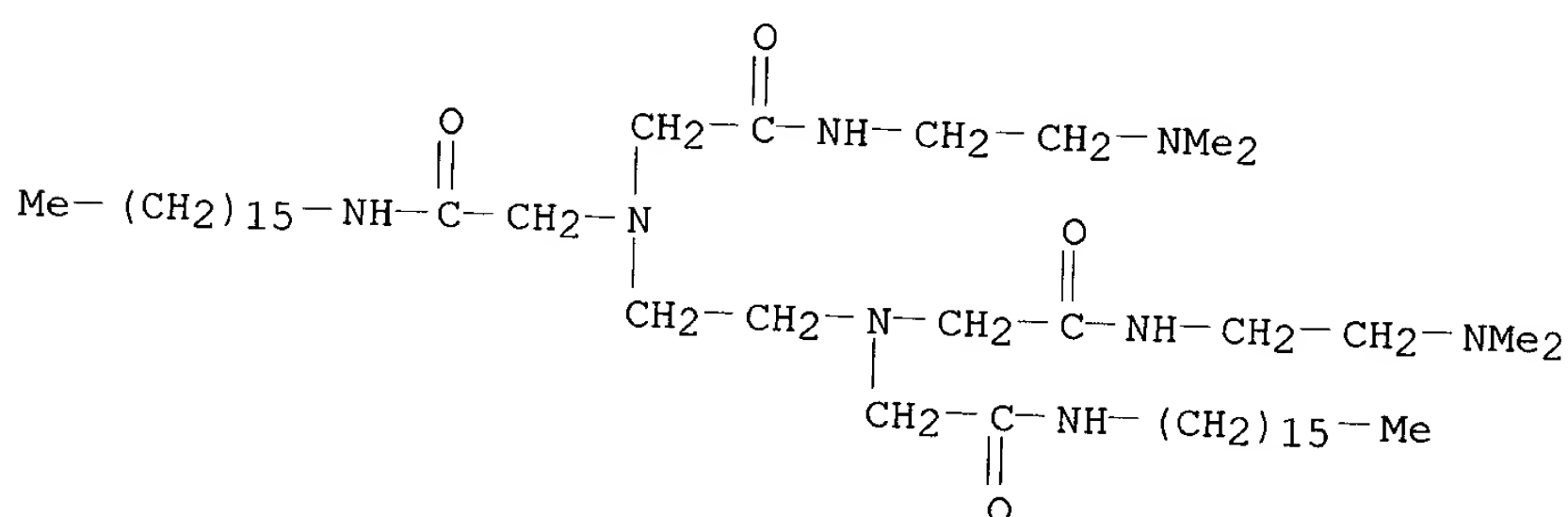
RN 186750-12-9 HCAPLUS

CN Glycine, N,N'-1,2-ethanediylbis[N-[2-(hexadecylamino)-2-oxoethyl]- (9CI)
(CA INDEX NAME)



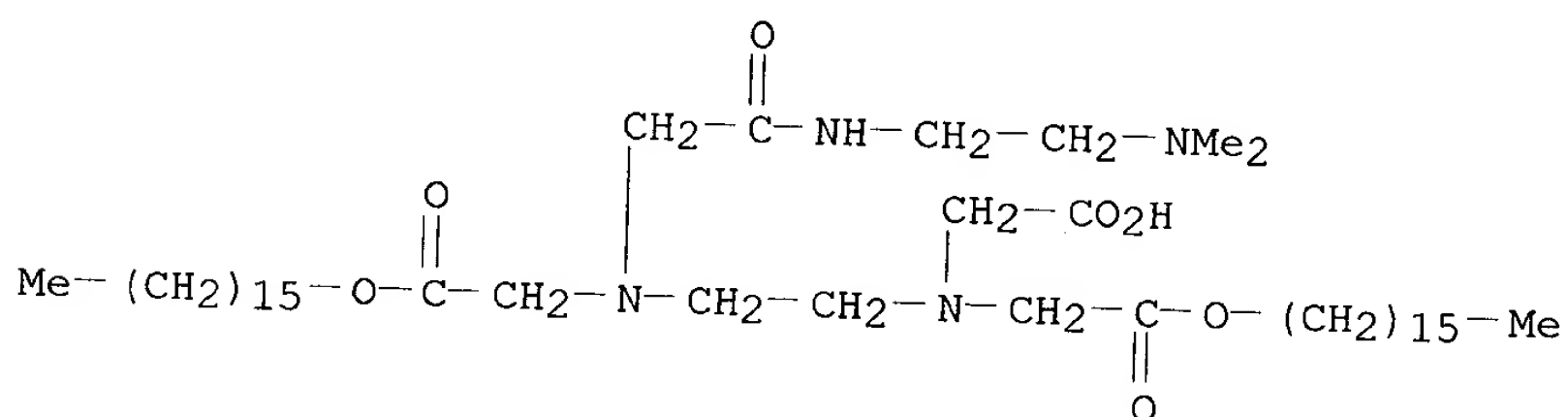
RN 186750-13-0 HCAPLUS

CN 2,5,8,11-Tetraazatridecan-13-amide, 11-[2-[[2-(dimethylamino)ethyl]amino]-2-oxoethyl]-N-hexadecyl-8-[2-(hexadecylamino)-2-oxoethyl]-2-methyl-6-oxo- (9CI) (CA INDEX NAME)



RN 186750-15-2 HCAPLUS

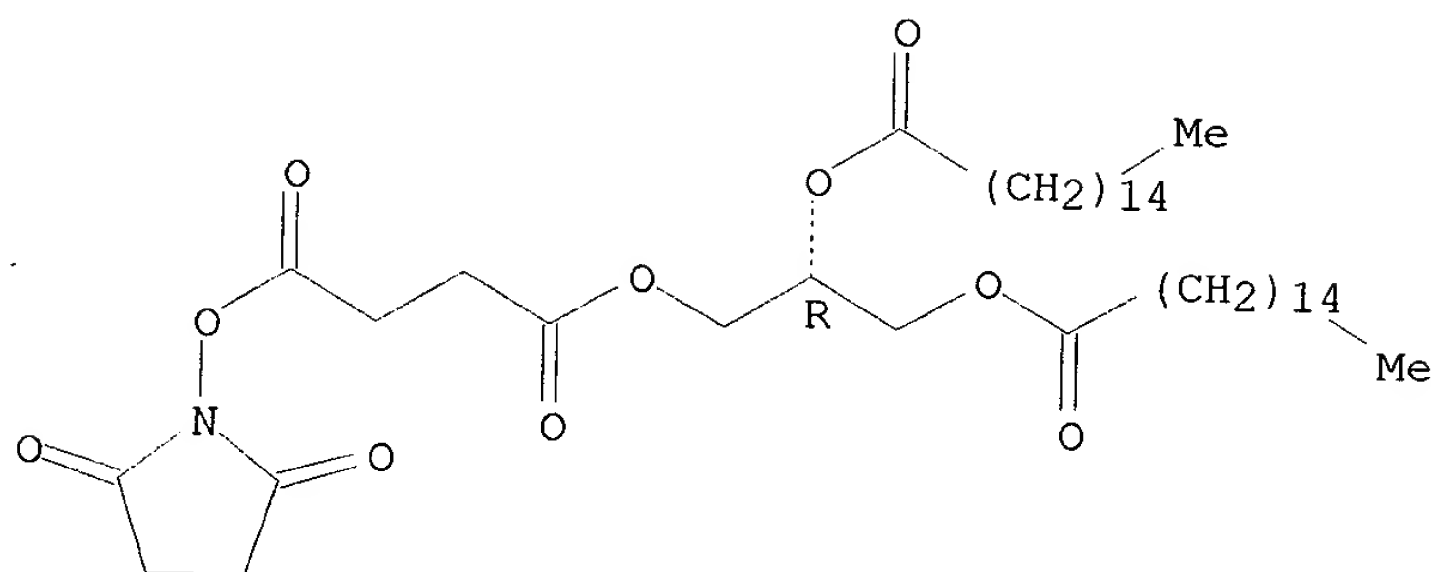
CN 2,5,8,11-Tetraazatridecan-13-oic acid, 11-(carboxymethyl)-8-[2-(hexadecyloxy)-2-oxoethyl]-2-methyl-6-oxo-, 13-hexadecyl ester (9CI) (CA INDEX NAME)



RN 186750-18-5 HCAPLUS

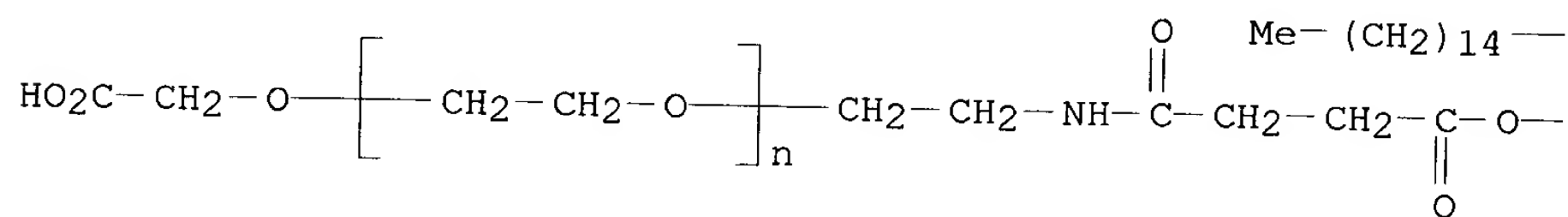
CN Hexadecanoic acid, (1R)-1-[[4-[(2,5-dioxo-1-pyrrolidinyl)oxy]-1,4-dioxobutoxy]methyl]-1,2-ethanediyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

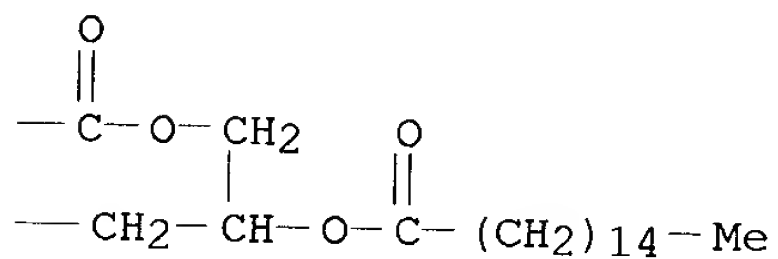


RN 186750-19-6 HCAPLUS
 CN Poly(oxy-1,2-ethanediyl), .alpha.-[2-[[4-[(2R)-2,3-bis[(1-oxohexadecyl)oxy]propoxy]-1,4-dioxobutyl]amino]ethyl]-.omega.-(carboxymethoxy)- (9CI) (CA INDEX NAME)

PAGE 1-A

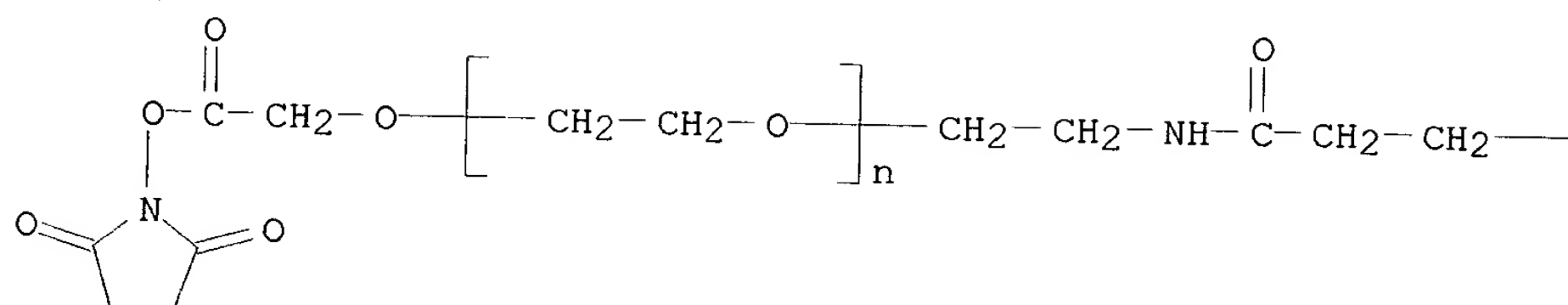


PAGE 1-B

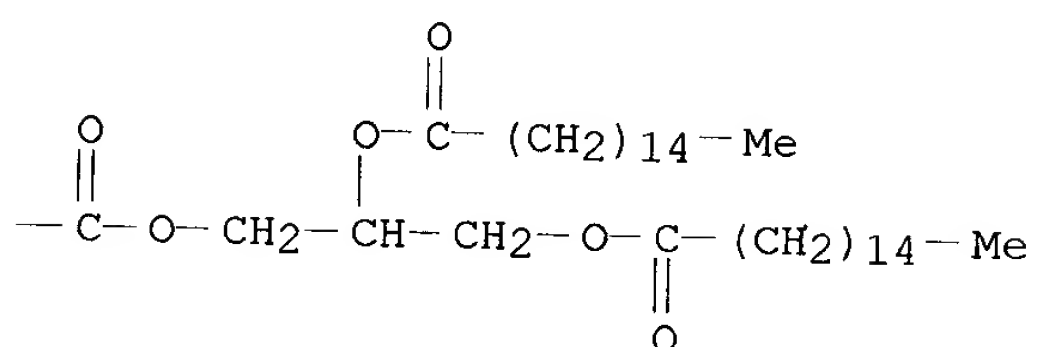


RN 186750-20-9 HCAPLUS
 CN Poly(oxy-1,2-ethanediyl), .alpha.-[2-[[4-[(2R)-2,3-bis[(1-oxohexadecyl)oxy]propoxy]-1,4-dioxobutyl]amino]ethyl]-.omega.-[2-[(2,5-dioxo-1-pyrrolidinyl)oxy]-2-oxoethoxy]- (9CI) (CA INDEX NAME)

PAGE 1-A

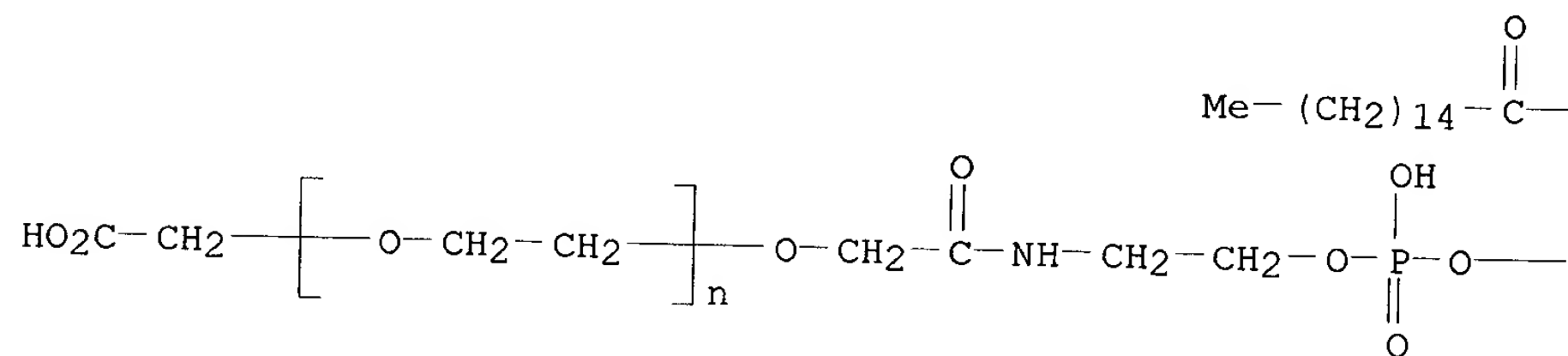


PAGE 1-B

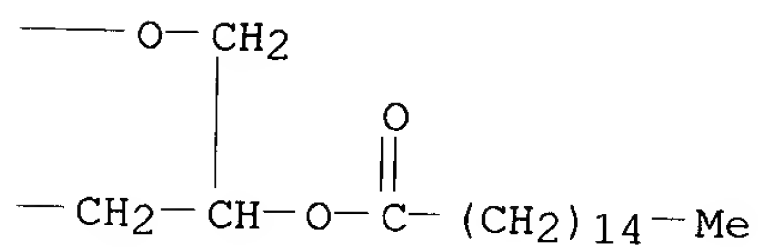


RN	186750-22-1	HCAPLUS
CN	Poly(oxy-1,2-ethanediyl), .alpha.-(carboxymethyl)-.omega.-[[(10R)-7-hydroxy-7-oxido-2,13-dioxo-10-[(1-oxohexadecyl)oxy]-6,8,12-trioxa-3-aza-7-phosphaoctacos-1-yl]oxy]- (9CI) (CA INDEX NAME)	

PAGE 1-A



PAGE 1-B

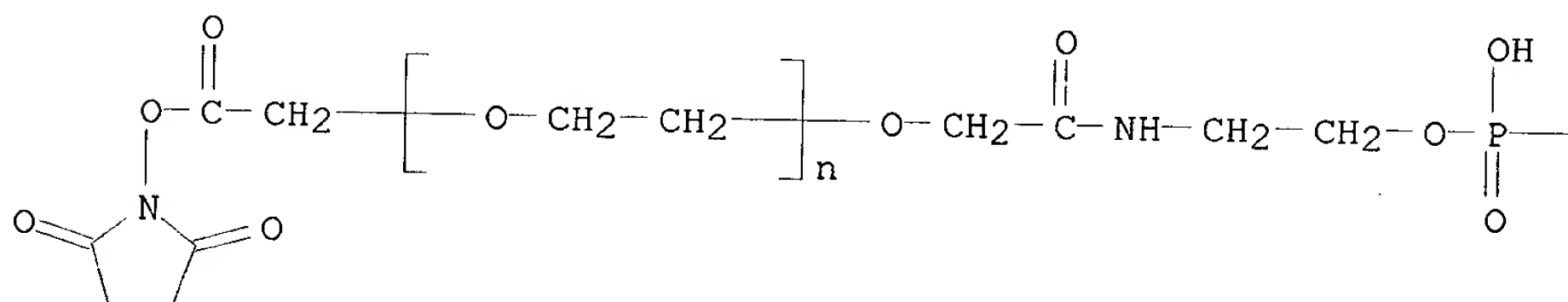


Schnizer 09/627,787

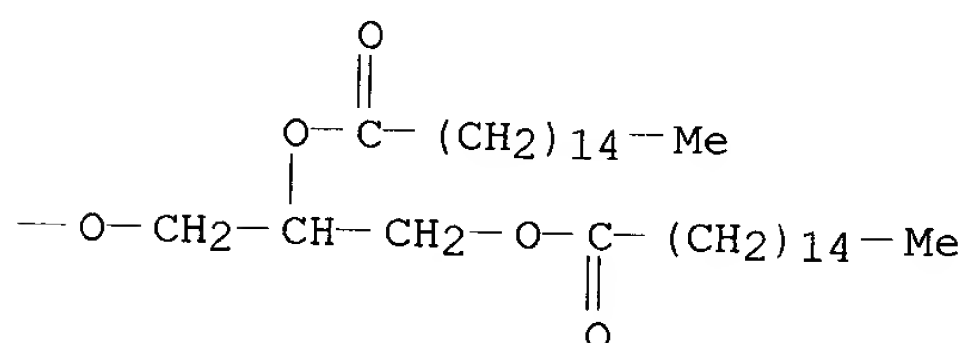
RN 186750-23-2 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-[2-[(2,5-dioxo-1-pyrrolidinyloxy)-2-oxoethyl]-.omega.-[[(10R)-7-hydroxy-7-oxido-2,13-dioxo-10-[(1-oxohexadecyl)oxy]-6,8,12-trioxa-3-aza-7-phosphaoctacos-1-yl]oxy]- (9CI)
(CA INDEX NAME)

PAGE 1-A



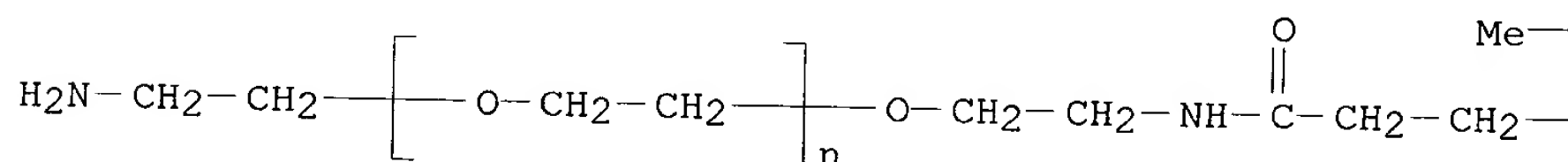
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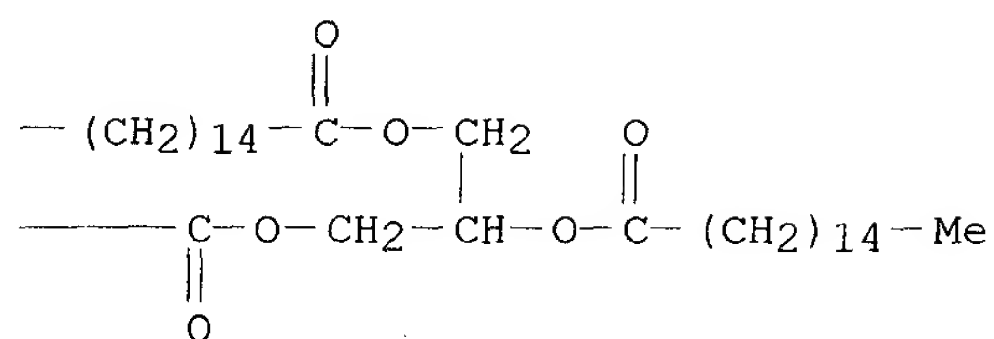
RN 186750-25-4 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-(2-aminoethyl)-.omega.-[2-[[4-[(2R)-2,3-bis[(1-oxohexadecyl)oxy]propoxy]-1,4-dioxobutyl]amino]ethoxy]- (9CI) (CA INDEX NAME)

PAGE 1-A



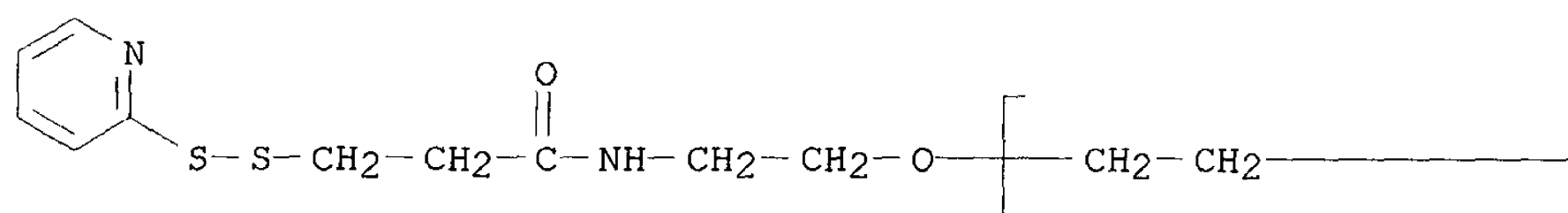
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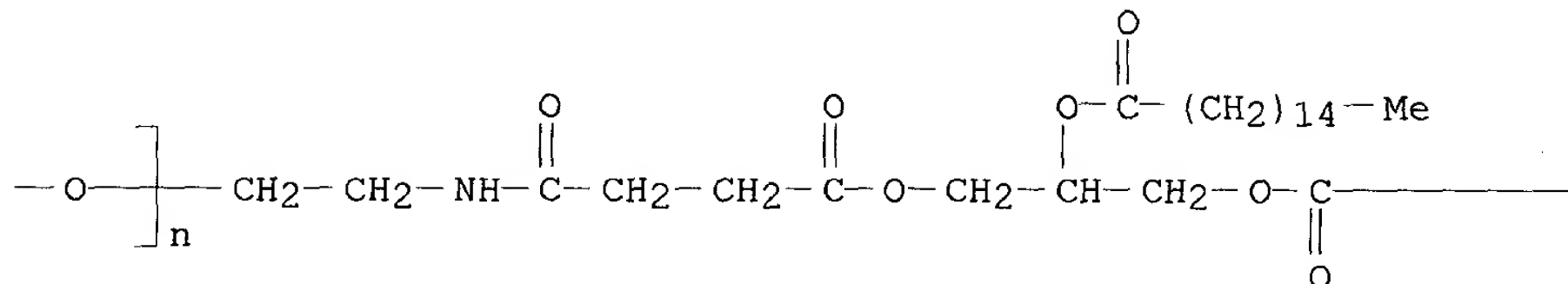
RN 186750-28-7 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-[2-[[4-[(2R)-2,3-bis[(1-oxohexadecyl)oxy]propoxy]-1,4-dioxobutyl]amino]ethyl]-.omega.-[2-[[1-oxo-3-(2-pyridinyldithio)propyl]amino]ethoxy]- (9CI) (CA INDEX NAME)

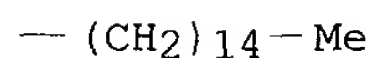
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PAGE 1-B



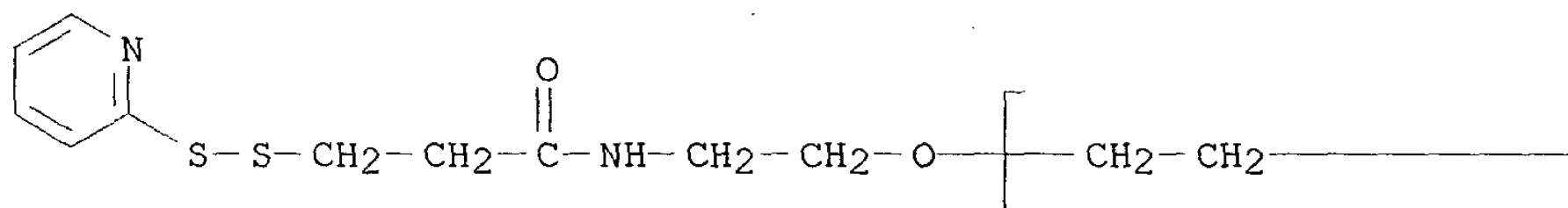
PAGE 1-C



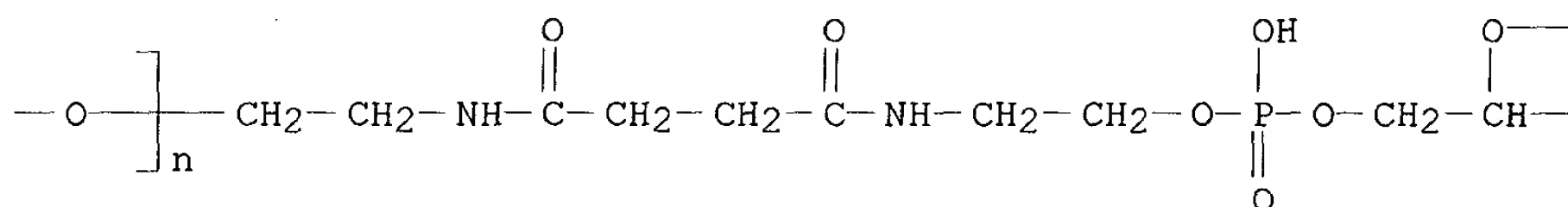
RN 186750-29-8 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-[12-hydroxy-12-oxido-4,7,18-trioxo-(15R)-15-[(1-oxohexadecyl)oxy]-11,13,17-trioxa-3,8-diaza-12-phosphatritriacont-1-yl]-.omega.-[2-[[1-oxo-3-(2-pyridinyldithio)propyl]amino]ethoxy]- (9CI) (CA INDEX NAME)

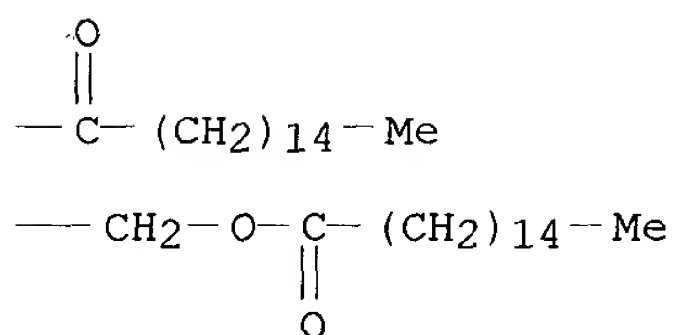
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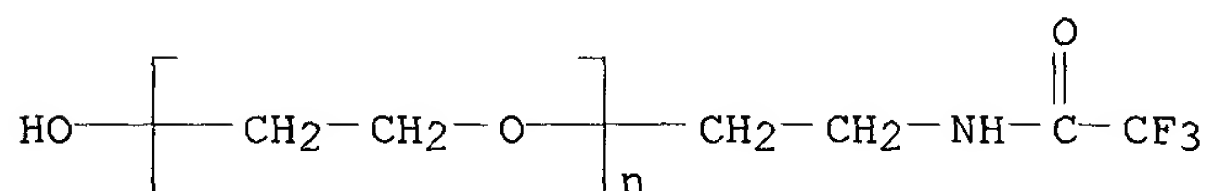
PAGE 1-B



PAGE 1-C



RN 186750-33-4 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-[2-[(trifluoroacetyl)amino]ethyl]-
.omega.-hydroxy- (9CI) (CA INDEX NAME)

RN 221553-04-4 HCAPLUS

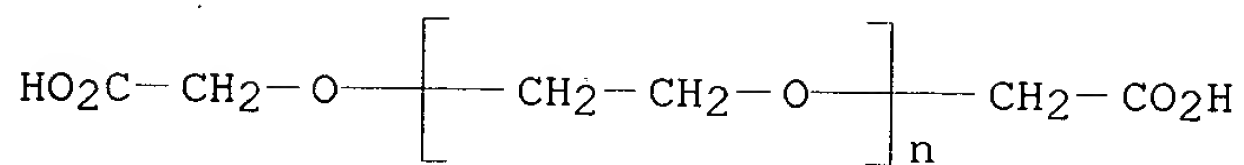
CN Poly(oxy-1,2-ethanediyl), .alpha.-(carboxymethyl)-.omega.-(carboxymethoxy)-
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CM 1

CRN 39927-08-7

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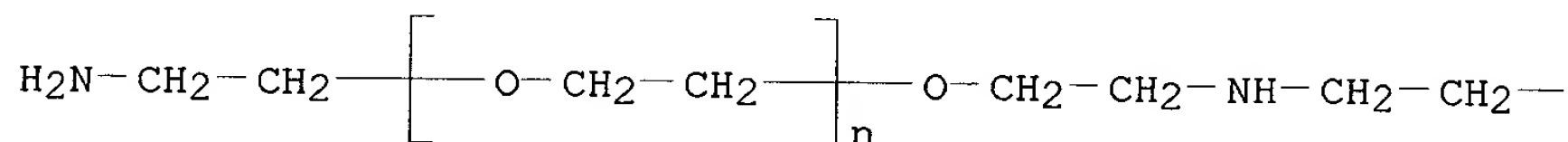
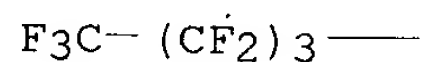
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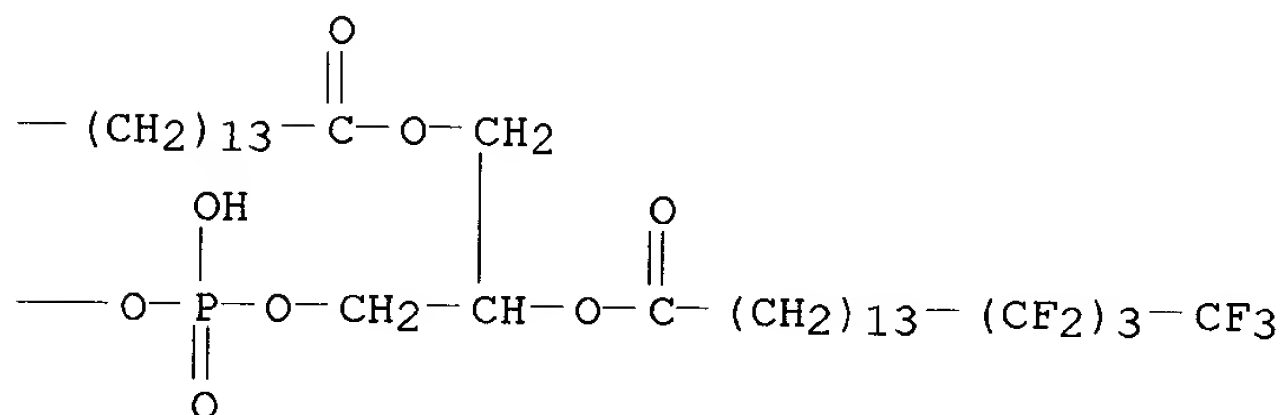
RN 221553-29-3 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-(2-aminoethyl)-.omega.-[[(10R)-27,27,28,28,29,29,30,30,30-nonafluoro-7-hydroxy-10-[(15,15,16,16,17,17,18,18,18-nonafluoro-1-oxooctadecyl)oxy]-7-oxido-13-oxo-6,8,12-trioxa-3-aza-7-phosphatriciacont-1-yl]oxy]- (9CI) (CA INDEX NAME)

PAGE 1-A

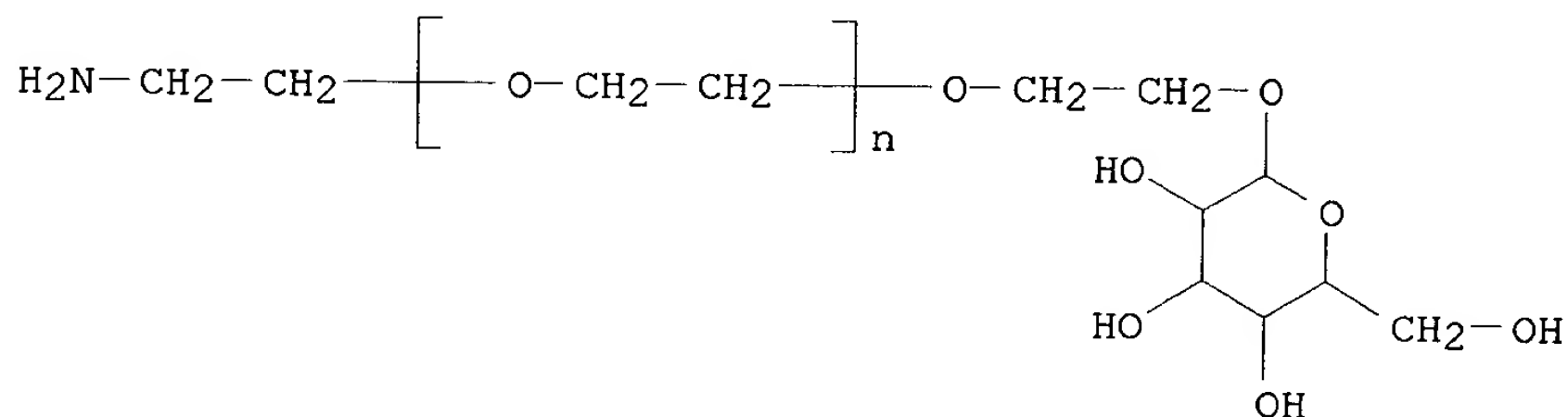


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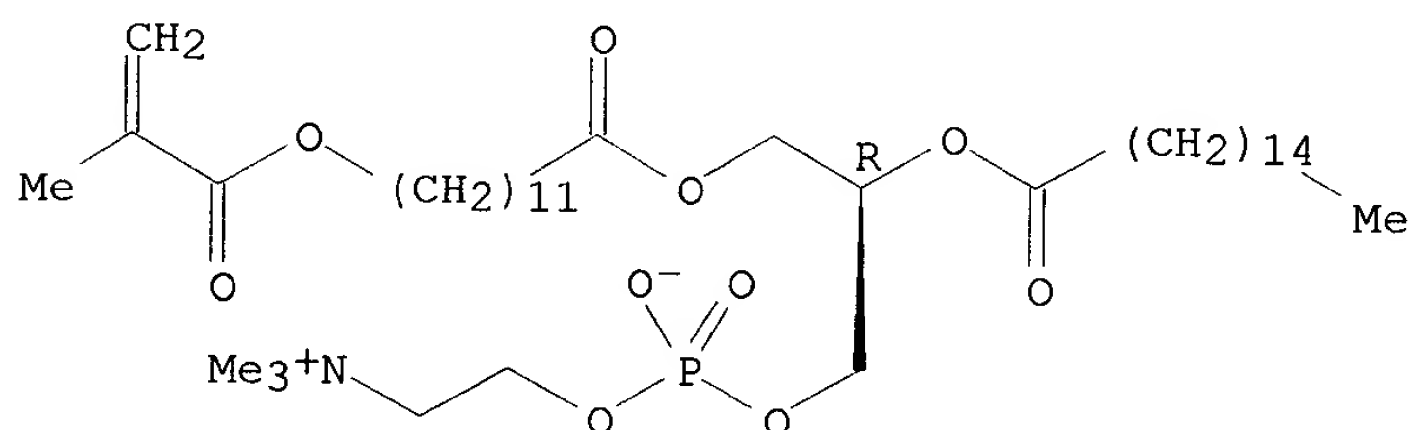
RN 221553-45-3 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-(2-aminoethyl)-.omega.-[2-(.alpha.-D-glucopyranosyloxy)ethoxy]- (9CI) (CA INDEX NAME)

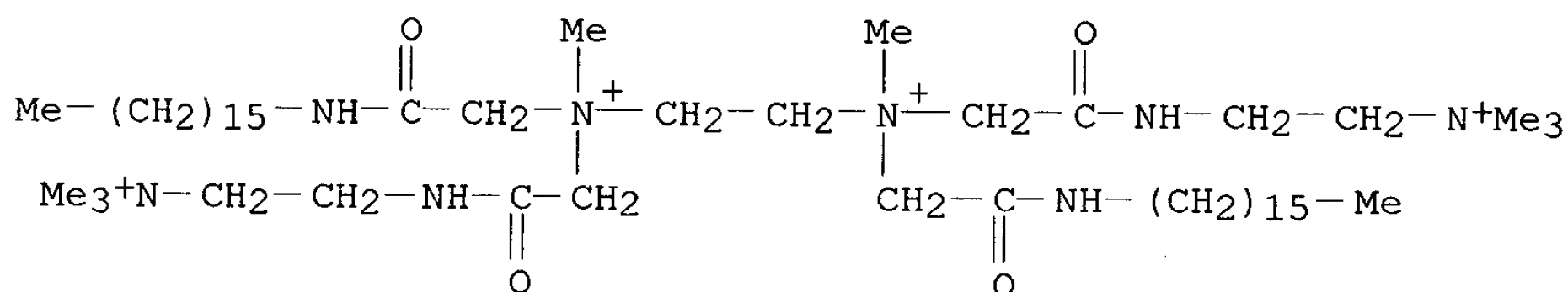


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 186750-21-0P 186750-24-3P 186750-26-5P
 186750-29-8DP, conjugate with protein A
 221552-96-1P 221552-99-4P 221553-14-6DP, conj.
 with protein A 221553-44-2DP, conjugate with protein A
 221553-46-4P 221553-48-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (novel targeted ultrasound imaging contrast agents for diagnostic and
 therapeutic use)
 RN 80294-15-1 HCAPLUS
 CN 3,5,9,22-Tetraoxa-4-phosphapentacos-24-en-1-aminium, 4-hydroxy-N,N,N,24-
 tetramethyl-10,23-dioxo-7-[(1-oxohexadecyl)oxy]-, inner salt, 4-oxide,
 (7R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

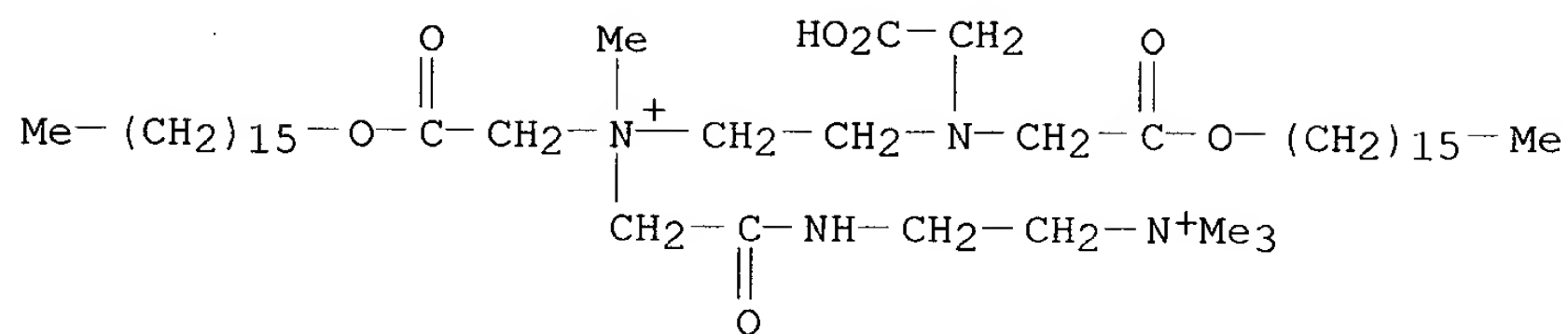


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 CN 3,12-Diaza-6,9-diazoniatetradecane-1,14-diaminium, 6,9-bis[2-
 (hexadecylamino)-2-oxoethyl]-N,N,N,N',N',N',6,9-octamethyl-4,11-dioxo-,
 tetraiodide (9CI) (CA INDEX NAME)



● 4 I⁻

RN 186750-14-1 HCAPLUS
 CN 12-Oxa-3,9-diaza-6-azoniaoctacosan-1-aminium, 9-(carboxymethyl)-6-[2-
 (hexadecyloxy)-2-oxoethyl]-N,N,N,6-tetramethyl-4,11-dioxo-, diiodide (9CI)
 (CA INDEX NAME)

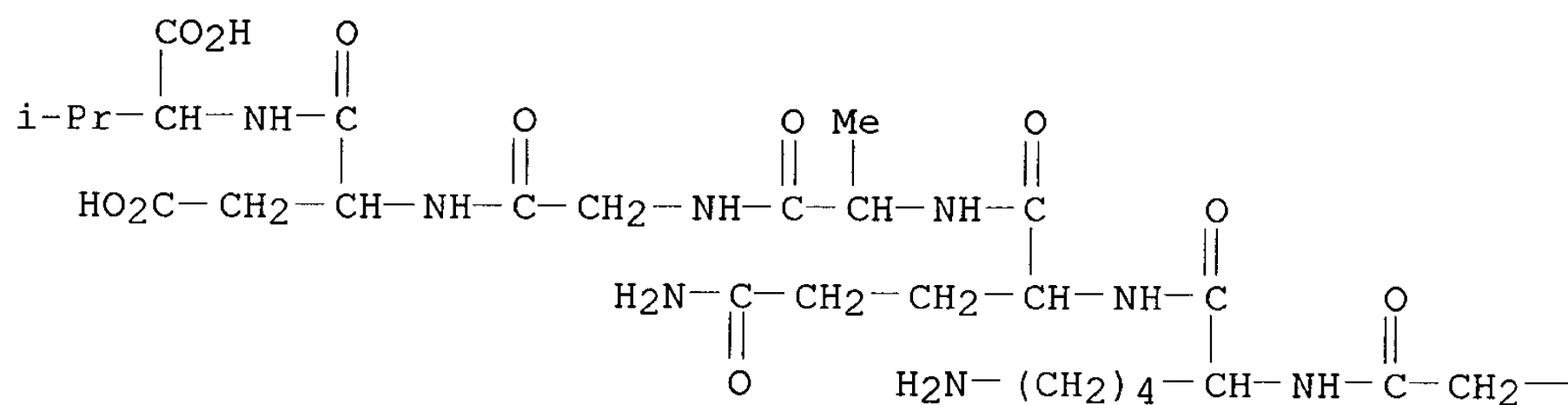


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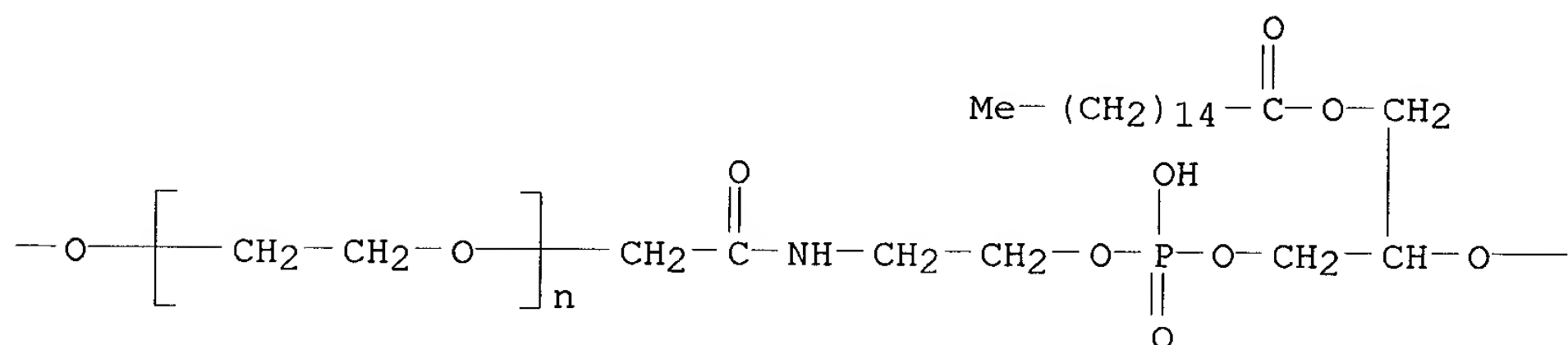
RN 186750-21-0 HCAPLUS

CN L-Valine, hydroxyacetyl-L-lysyl-L-glutaminyl-L-alanylglycyl-L-.alpha.-aspartyl-, monoether with .alpha.-[(10R)-7-hydroxy-7-oxido-2,13-dioxo-10-[(1-oxohexadecyl)oxy]-6,8,12-trioxa-3-aza-7-phosphaoctacos-1-yl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

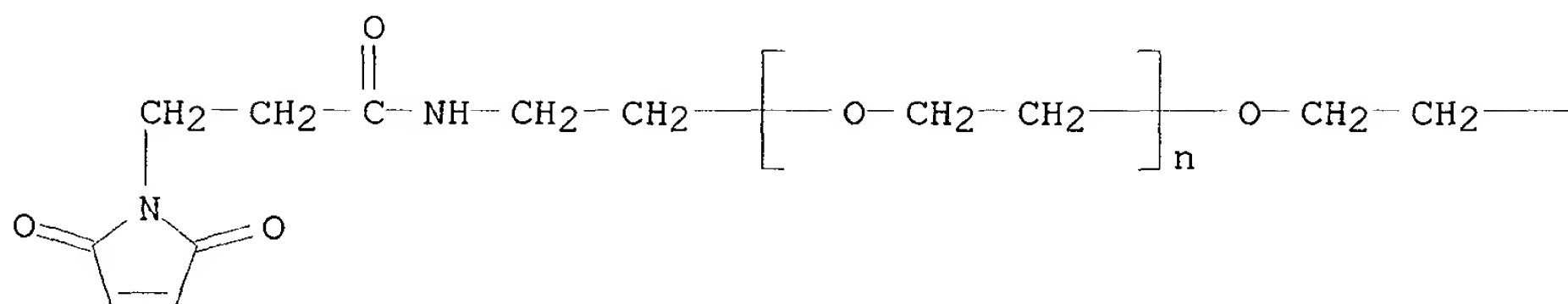
PAGE 1-A



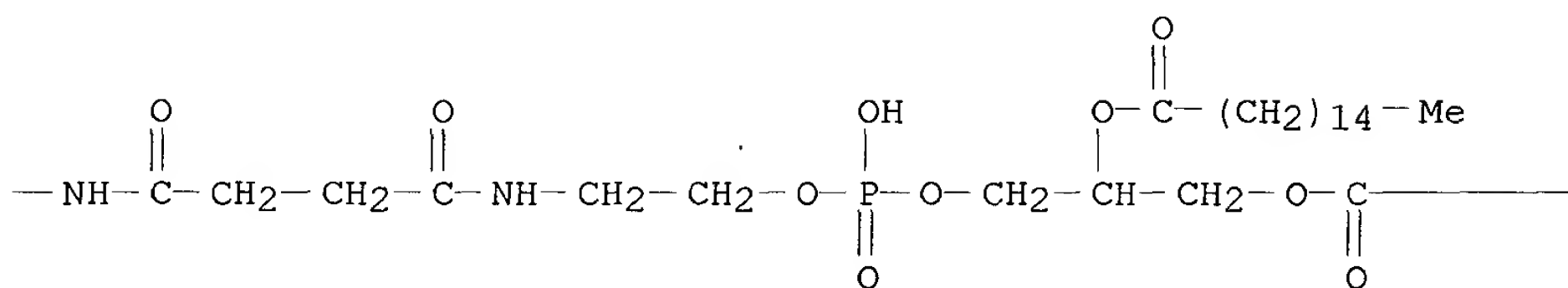
PAGE 1-B



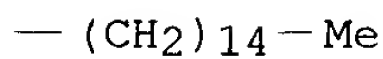
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PAGE 1-B



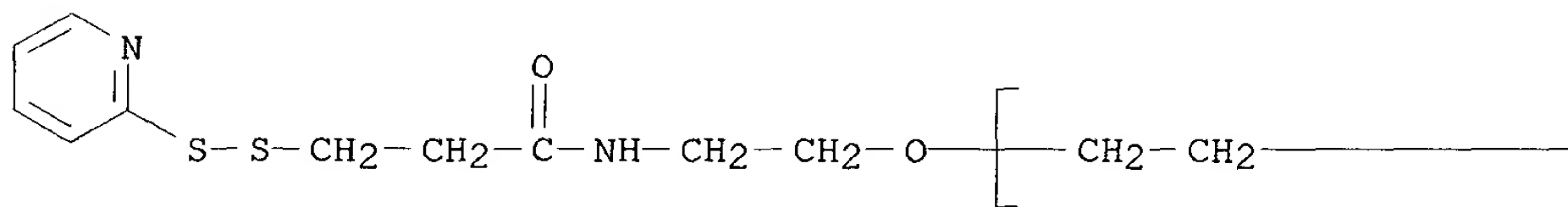
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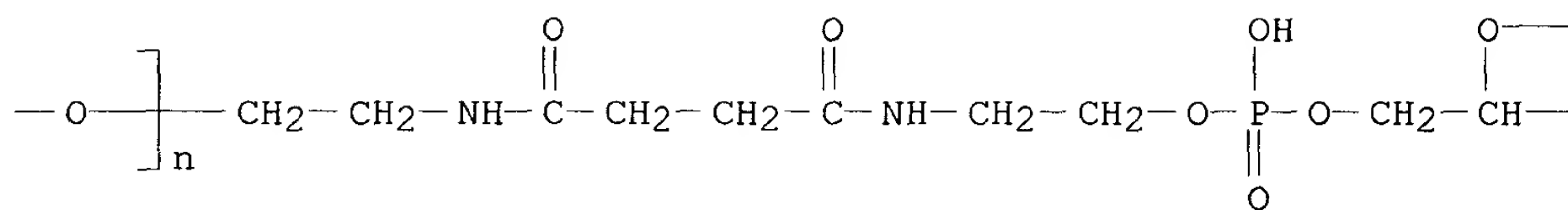
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CN Poly(oxy-1,2-ethanediyl), .alpha.-[12-hydroxy-12-oxido-4,7,18-trioxo-(15R)-15-[(1-oxohexadecyl)oxy]-11,13,17-trioxa-3,8-diaza-12-phosphatritriacont-1-yl]-.omega.-[2-[[1-oxo-3-(2-pyridinyldithio)propyl]amino]ethoxy]- (9CI)
(CA INDEX NAME)

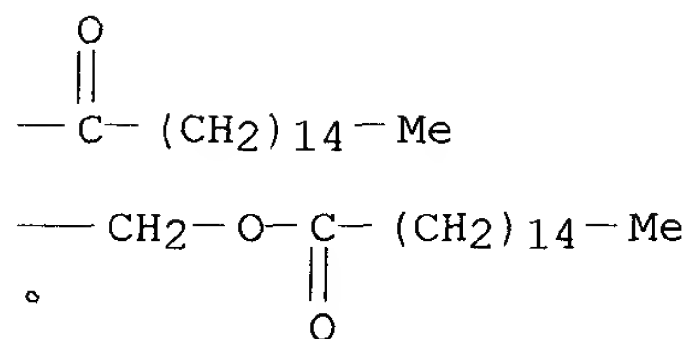
PAGE 1-A



PAGE 1-B

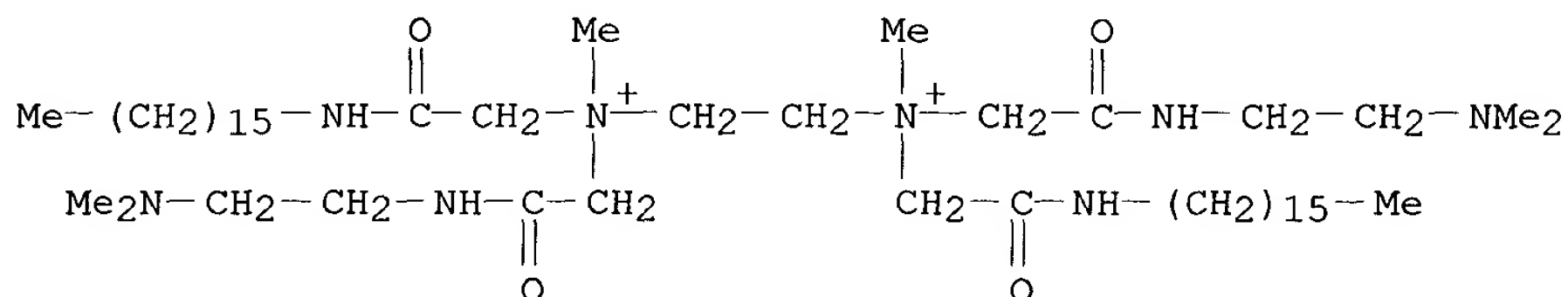


PAGE 1-C



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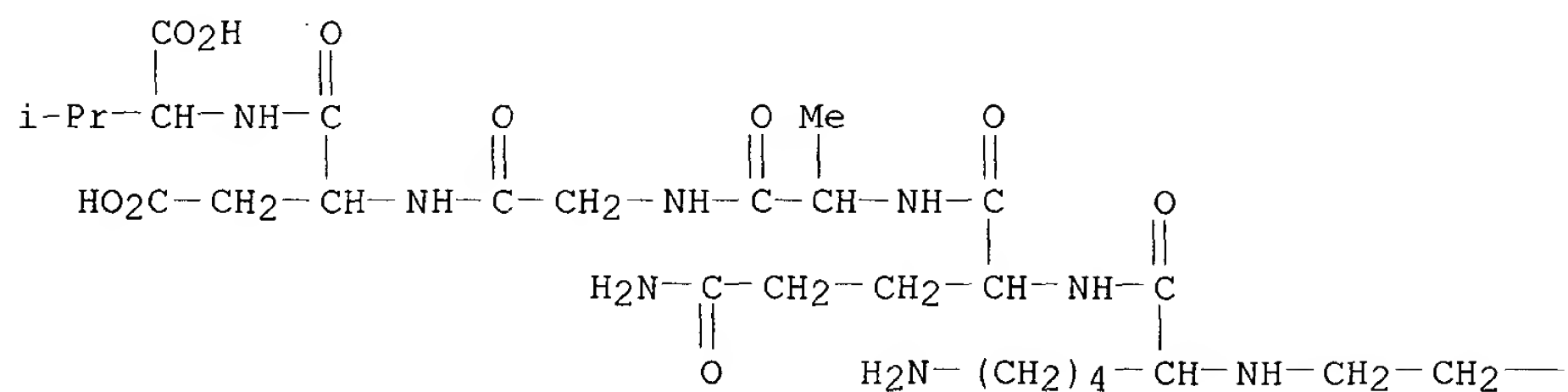
CN 1,2-Ethanediaminium, N,N'-bis[2-[[2-(dimethylamino)ethyl]amino]-2-oxoethyl]-N,N'-[2-(hexadecylamino)-2-oxoethyl]-N,N'-dimethyl-, diiodide (9CI) (CA INDEX NAME)

● 2 I⁻

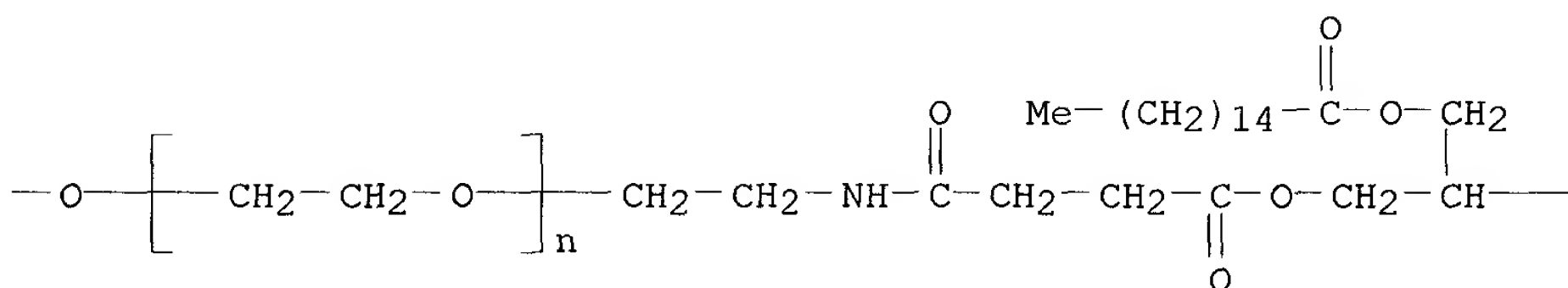
RN 221552-99-4 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-[2-[[4-[(2R)-2,3-bis[(1-oxohexadecyl)oxy]propoxy]-1,4-dioxobutyl]amino]ethyl]-.omega.-hydroxy-, ether with N2-(2-hydroxyethyl)-L-lysyl-L-glutaminyl-L-alanylglycyl-L-.alpha.-aspartyl-L-valine (9CI) (CA INDEX NAME)

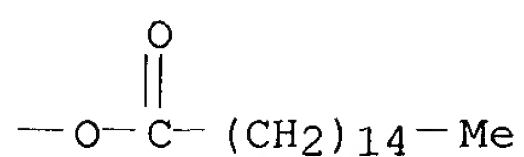
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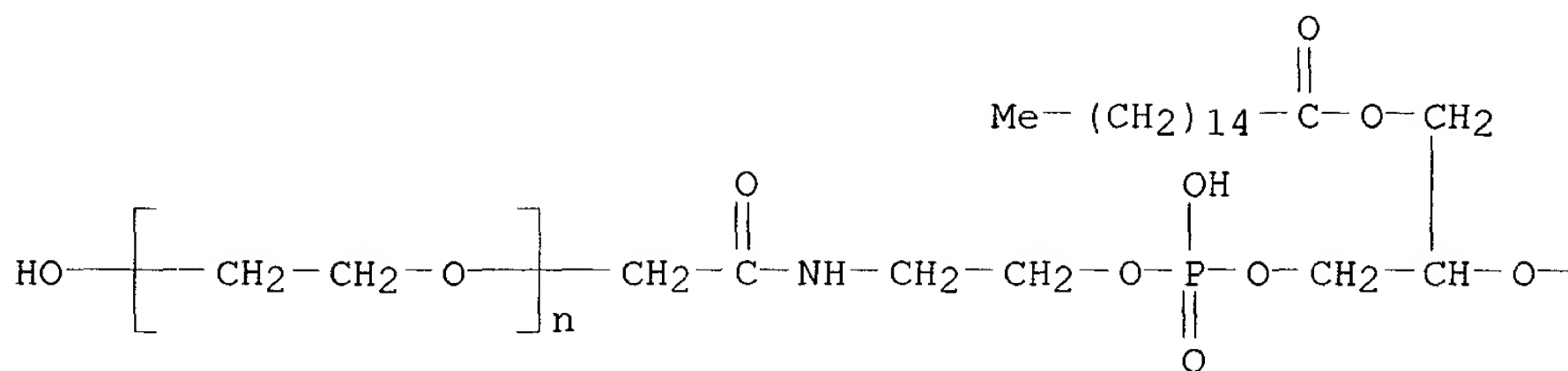
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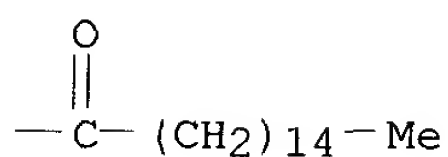
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CN Poly(oxy-1,2-ethanediyl), .alpha.-[(10R)-7-hydroxy-7-oxido-2,13-dioxo-10-
[(1-oxohexadecyl)oxy]-6,8,12-trioxa-3-aza-7-phosphaoctacos-1-yl]-.omega.-
hydroxy- (9CI) (CA INDEX NAME)

PAGE 1-A



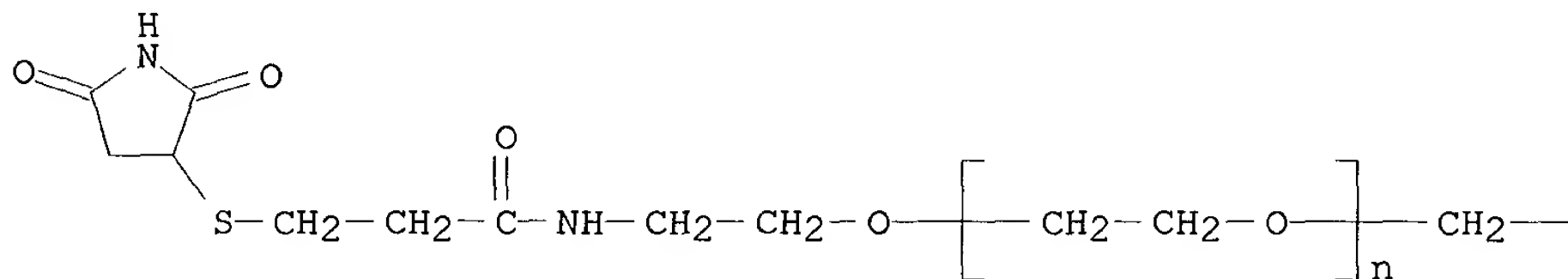
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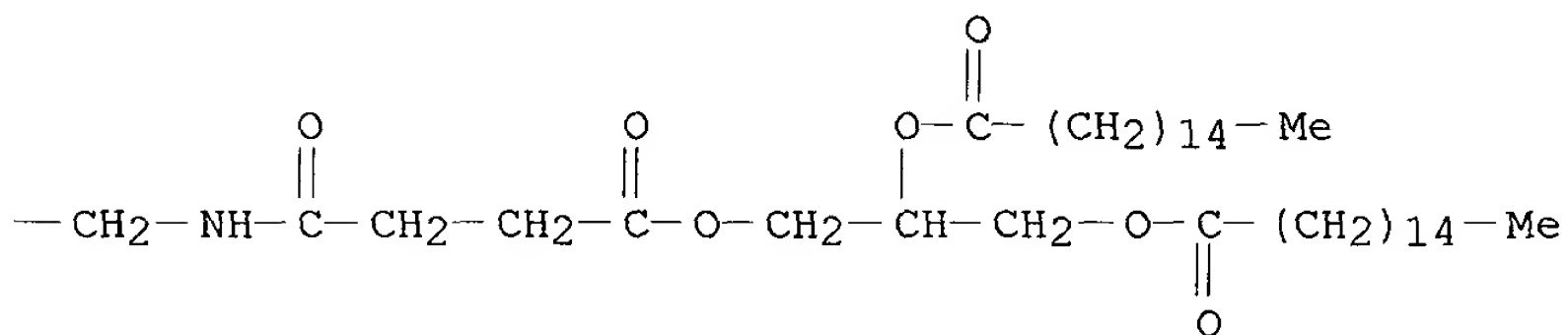
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CN Poly(oxy-1,2-ethanediyl), .alpha.-[2-[[4-[(2R)-2,3-bis[(1-oxohexadecyl)oxy]propoxy]-1,4-dioxobutyl]amino]ethyl]-.omega.-[2-[[3-[(2,5-dioxo-3-pyrrolidinyl)thio]-1-oxopropyl]amino]ethoxy]- (9CI) (CA INDEX NAME)

PAGE 1-A



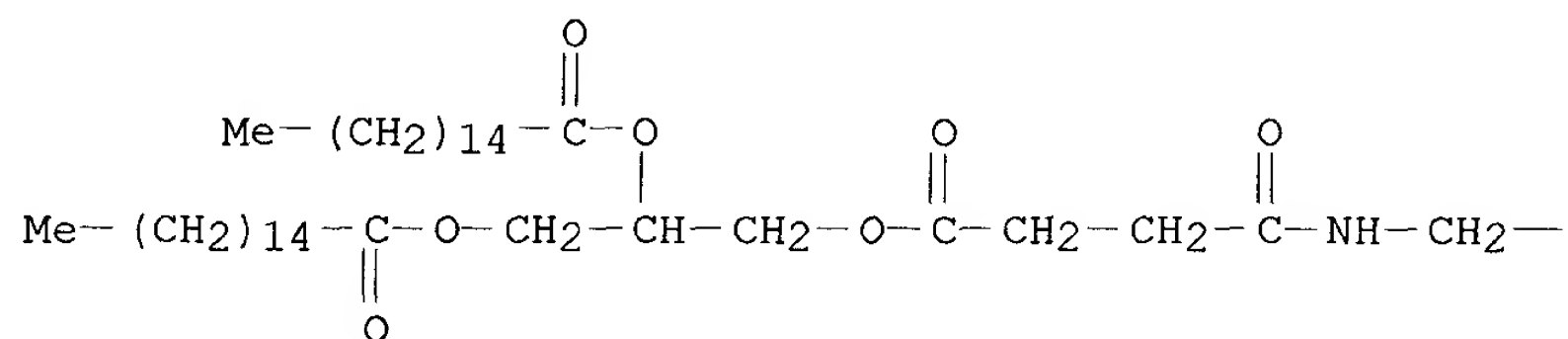
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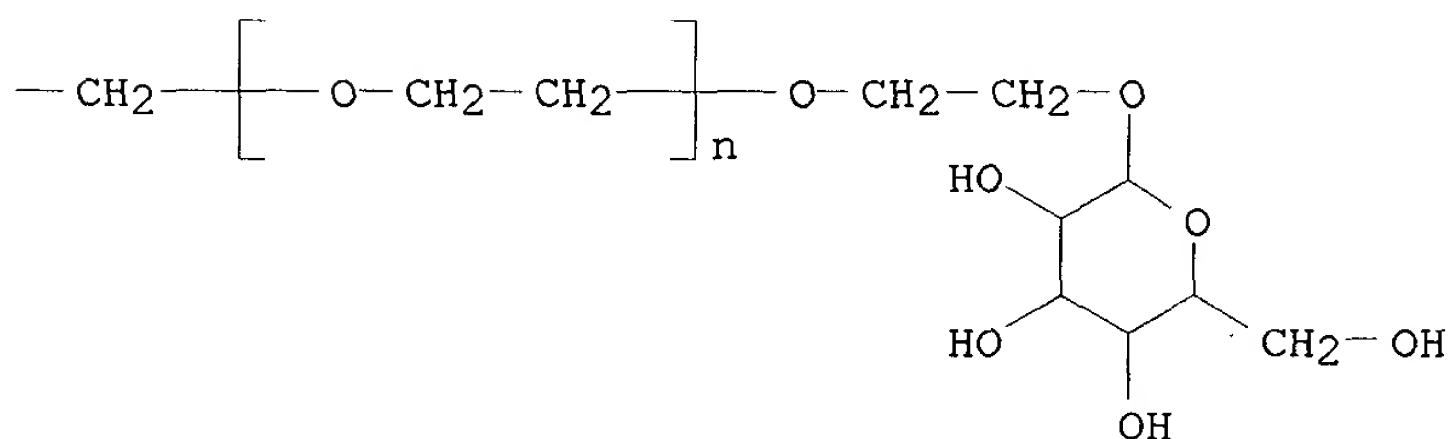
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CN Poly(oxy-1,2-ethanediyl), .alpha.-[2-[[4-[(2R)-2,3-bis[(1-oxohexadecyl)oxy]propoxy]-1,4-dioxobutyl]amino]ethyl]-.omega.-[2-(.alpha.-D-glucopyranosyloxy)ethoxy]- (9CI) (CA INDEX NAME)

PAGE 1-A



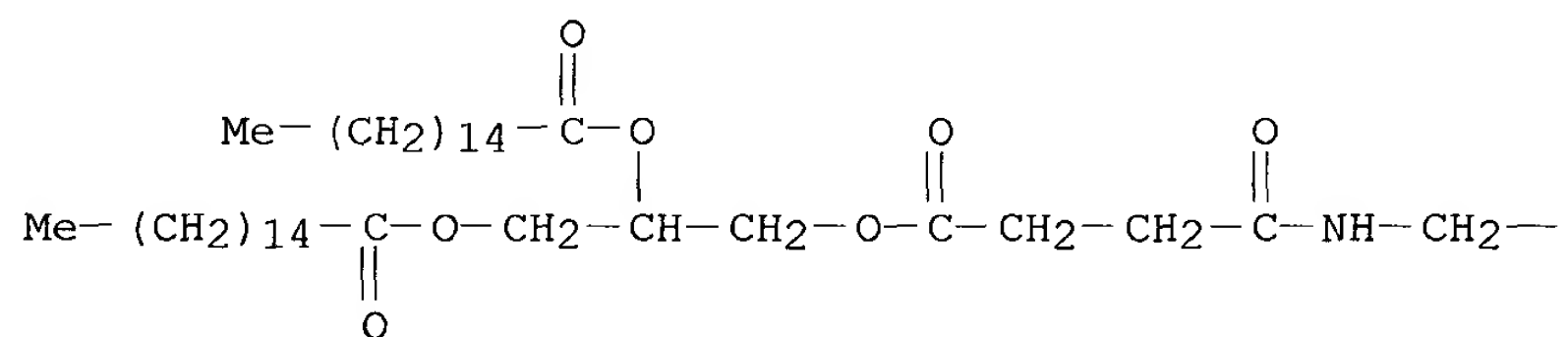
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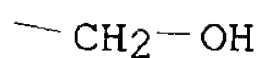
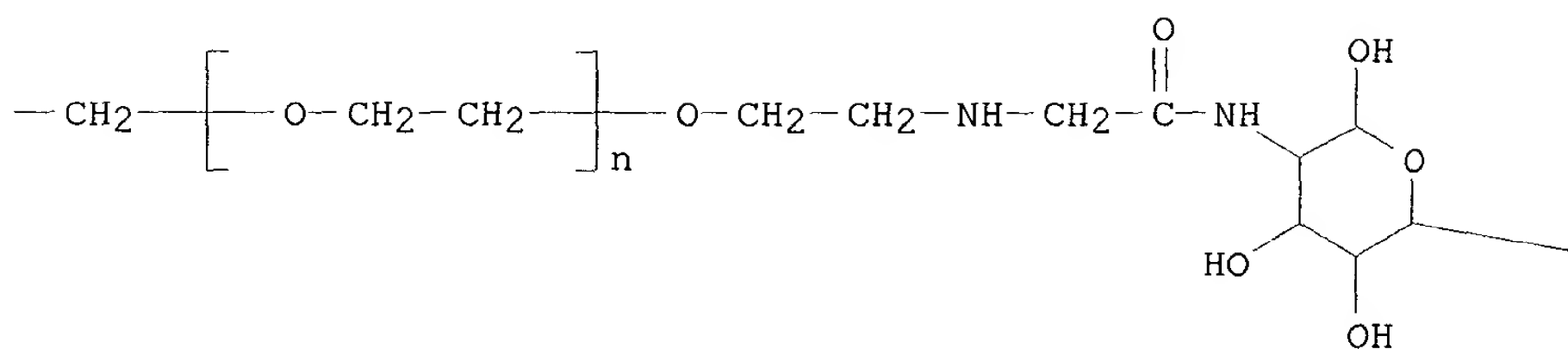


RN 221553-48-6 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-[2-[[4-[(2R)-2,3-bis[(1-oxohexadecyl)oxy]propoxy]-1,4-dioxobutyl]amino]ethyl]-.omega.-hydroxy-, 2-ether with 2-deoxy-2-[[[(2-hydroxyethyl)amino]acetyl]amino]-.alpha.-D-mannopyranose (9CI) (CA INDEX NAME)

PAGE 1-A





RE.CNT 4

RE

- (1) Grinstaff; US 5505932 A 1996
- (2) Lohrmann; US 5536489 A 1996
- (3) Schneider, E; US 5380519 A 1995 HCAPLUS
- (4) Schutt; US 5540909 A 1996

L8 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2001 ACS

AN 1999:133201 HCAPLUS

DN 130:165174

TI Methods of computed tomography using perfluorocarbon gaseous filled microspheres as contrast agents

IN **Unger, Evan C.**

PA ImaRx Pharmaceutical Corp., USA

SO U.S., 27 pp., Cont.-in-part of U.S. Ser. No. 247,656, abandoned.

CODEN: USXXAM

DT Patent

LA English

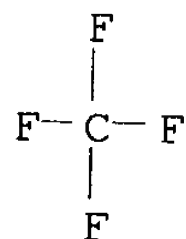
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	US 5205290	A	19930427	US 1991-680984	19910405
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	EP 804932	B1	20010516		

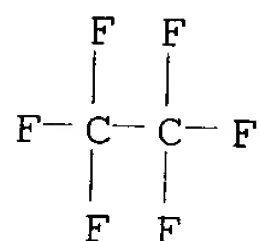
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 US 5456900 A 19951010 US 1993-116982 19930907
 WO 9532006 A1 19951130 WO 1995-US6499 19950522
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 AU 700799 B2 19990114
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 JP 10500692 T2 19980120 JP 1995-530494 19950522
 US 5547656 A 19960820 US 1995-449090 19950524
 US 5547656 B1 19990720 US 1995-449009 19950524
 US 5527521 A 19960618 US 1995-456738 19950601
 US 5527521 B1 19991109
 US 6117414 A 20000912 US 1997-968776 19971110
 AU 9884206 A1 19981224 AU 1998-84206 19980911
 AU 9914280 A1 19990527 AU 1999-14280 19990129
 PRAI US 1991-680984 A3 19910405
 US 1993-980594 A3 19930119
 US 1993-116982 A2 19930907
 US 1994-247656 B2 19940523
 EP 1992-910021 A3 19920318
 EP 1997-201854 A3 19920318
 US 1995-445299 A 19950519
 WO 1995-US6499 W 19950522
 US 1995-449090 A3 19950524
 AU 1995-33103 A3 19951006
 AB The present invention is directed to a contrast medium useful for computed tomog. imaging, said contrast medium comprising stabilized gas and gaseous precursor filled microspheres, wherein the gas may be, for example, air or nitrogen, but may also be derived from a gaseous precursor, for example, perfluoropentane, and the microspheres are stabilized by being formed from a stabilizing compd., for example, a biocompatible lipid or polymer. In certain preferred embodiments, the biocompatible lipid comprises a phospholipid which is in the form of a lipid bilayer. A unique aspect of the present invention involves the use of perfluorocarbon gases which are capable of maintaining the integrity, and thus, enhancing the stability, of the microspheres.
 IT **75-73-0**, Perfluoromethane **76-16-4**, Perfluoroethane
76-19-7, Perfluoropropane **115-25-3**, Perfluorocyclobutane
335-57-9, Perfluoroheptane **355-25-9**, Perfluorobutane
355-42-0, Perfluorohexane **678-26-2**, Perfluoropentane
 RL: ARG (Analytical reagent use); BUU (Biological use, unclassified); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
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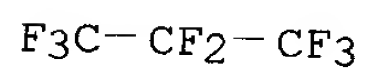
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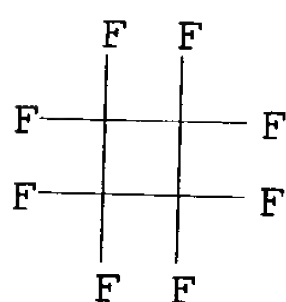
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CN Ethane, hexafluoro- (8CI, 9CI) (CA INDEX NAME)



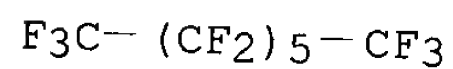
RN 76-19-7 HCAPLUS
CN Propane, octafluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



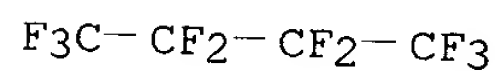
RN 115-25-3 HCAPLUS
CN Cyclobutane, octafluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



RN 335-57-9 HCAPLUS
CN Heptane, hexadecafluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



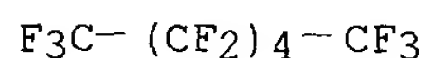
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CN Butane, decafluoro- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



Schnizer 09/627,787

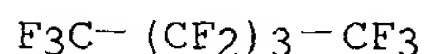
RN 355-42-0 HCAPLUS

CN Hexane, tetradecafluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



RN 678-26-2 HCAPLUS

CN Pentane, dodecafluoro- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



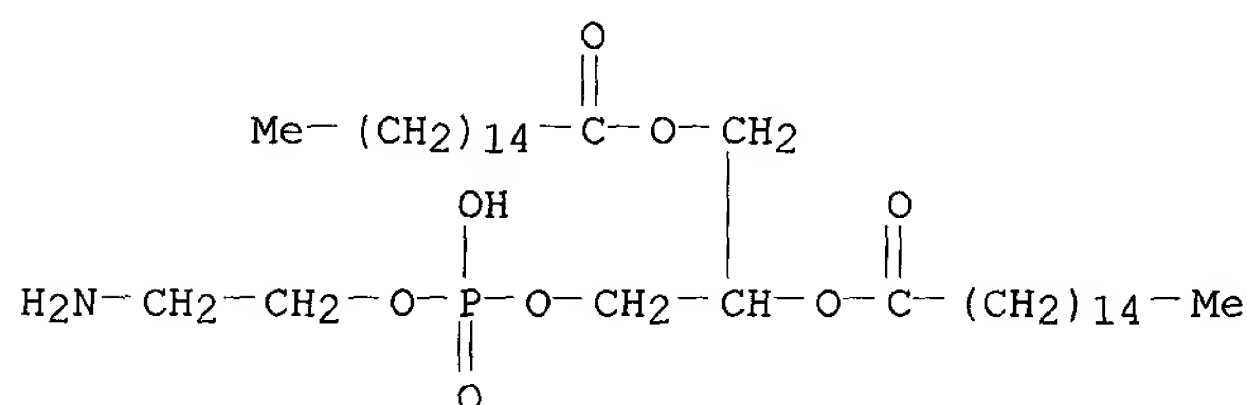
IT **5681-36-7D**, Dipalmitoylphosphatidylethanolamine, polyethylene glycol 5000 **conjugate 25322-68-3D**, dipalmitoylphosphatidylethanolamine **conjugate**

RL: ARG (Analytical reagent use); BUU (Biological use, unclassified); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(methods of computed tomog. using perfluorocarbon gaseous filled lipid microspheres as contrast agents)

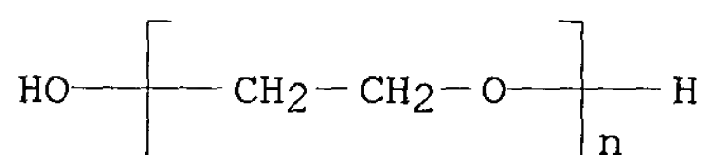
RN 5681-36-7 HCAPLUS

CN Hexadecanoic acid, 1-[[[(2-aminoethoxy)hydroxyphosphinyl]oxy]methyl]-1,2-ethanediyl ester (9CI) (CA INDEX NAME)



RN 25322-68-3 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy- (9CI) (CA INDEX NAME)



IT **63-89-8 5681-36-7**, Dipalmitoylphosphatidylethanolamine

7727-37-9, Nitrogen, biological studies **9002-89-5**,

Polyvinylalcohol **9003-39-8**, Polyvinylpyrrolidone

19698-29-4, Dipalmitoylphosphatidic acid **25322-68-3**,

Polyethylene glycol **25322-69-4**, Polypropylene glycol

78543-25-6, 1-Hexadecyl-2-palmitoylglycerophosphoethanolamine

97782-02-0

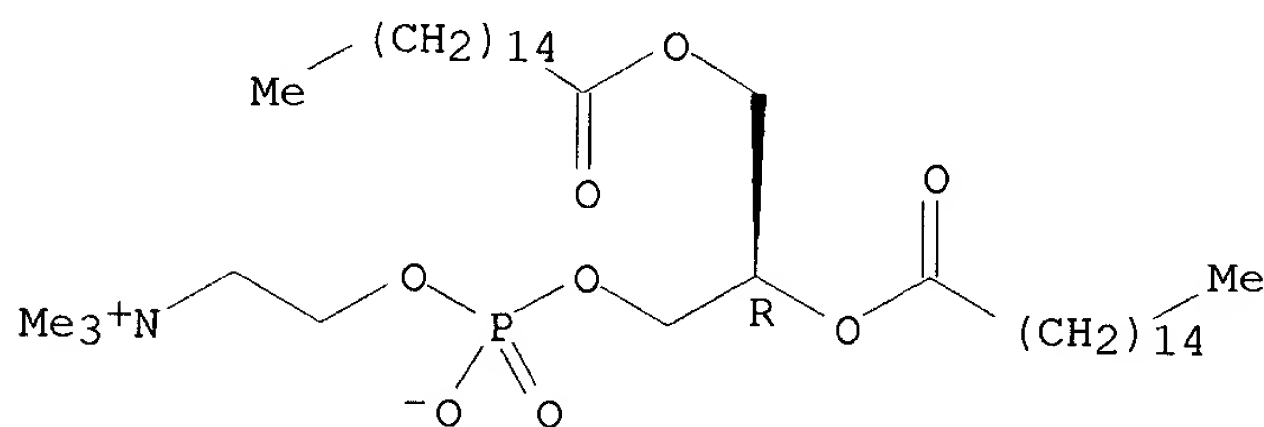
RL: ARG (Analytical reagent use); BUU (Biological use, unclassified); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(microspheres, gas filled; methods of computed tomog. using perfluorocarbon gaseous filled lipid microspheres as contrast agents)

RN 63-89-8 HCAPLUS

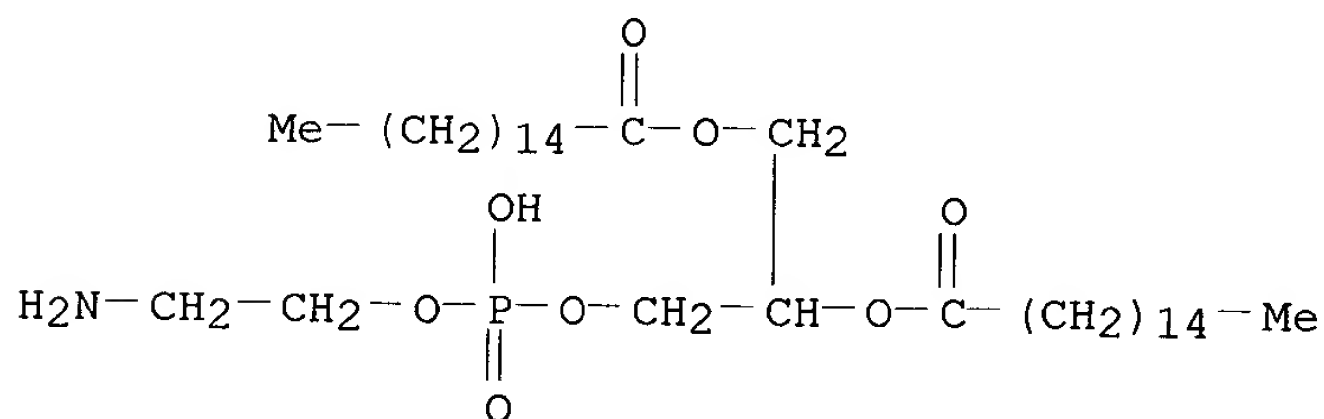
CN 3,5,9-Trioxa-4-phosphapentacosan-1-aminium, 4-hydroxy-N,N,N-trimethyl-10-oxo-7-[(1-oxohexadecyl)oxy]-, inner salt, 4-oxide, (7R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



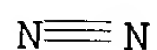
RN 5681-36-7 HCAPLUS

CN Hexadecanoic acid, 1-[[[(2-aminoethoxy)hydroxyphosphinyl]oxy]methyl]-1,2-ethanediyl ester (9CI) (CA INDEX NAME)



RN 7727-37-9 HCAPLUS

CN Nitrogen (8CI, 9CI) (CA INDEX NAME)



RN 9002-89-5 HCAPLUS

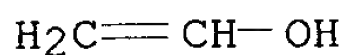
CN Ethenol, homopolymer (9CI) (CA INDEX NAME)

CM 1

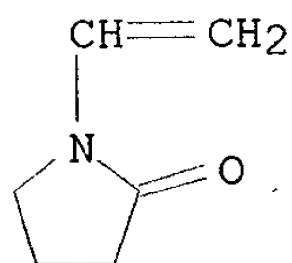
CRN 557-75-5

CMF C2 H4 O

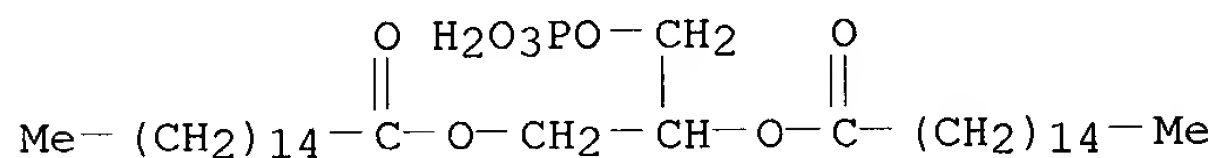
Schnizer 09/627,787



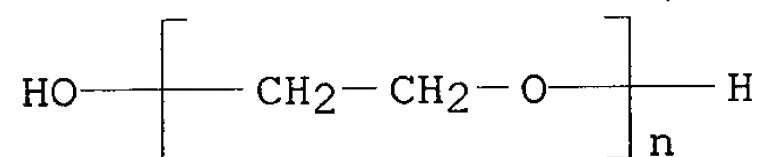
RN 9003-39-8 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (9CI) (CA INDEX NAME)
CM 1
CRN 88-12-0
CMF C6 H9 N O



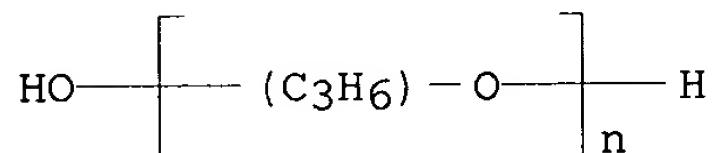
RN 19698-29-4 HCAPLUS
CN Hexadecanoic acid, 1-[(phosphonoxy)methyl]-1,2-ethanediyl ester (9CI)
(CA INDEX NAME)



RN 25322-68-3 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy- (9CI) (CA INDEX NAME)

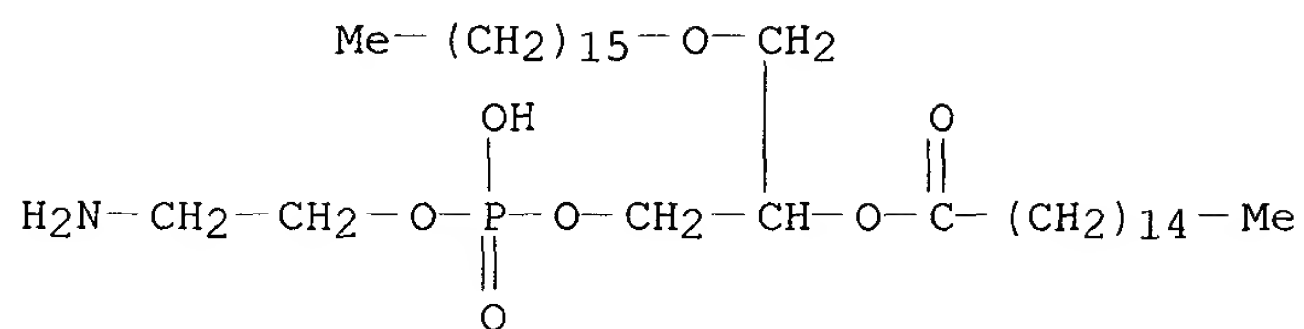


RN 25322-69-4 HCAPLUS
CN Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy- (9CI)
(CA INDEX NAME)



RN 78543-25-6 HCAPLUS
CN Hexadecanoic acid, 2-[[[(2-aminoethoxy)hydroxyphosphinyl]oxy]-1-
[(hexadecyloxy)methyl]ethyl ester (9CI) (CA INDEX NAME)

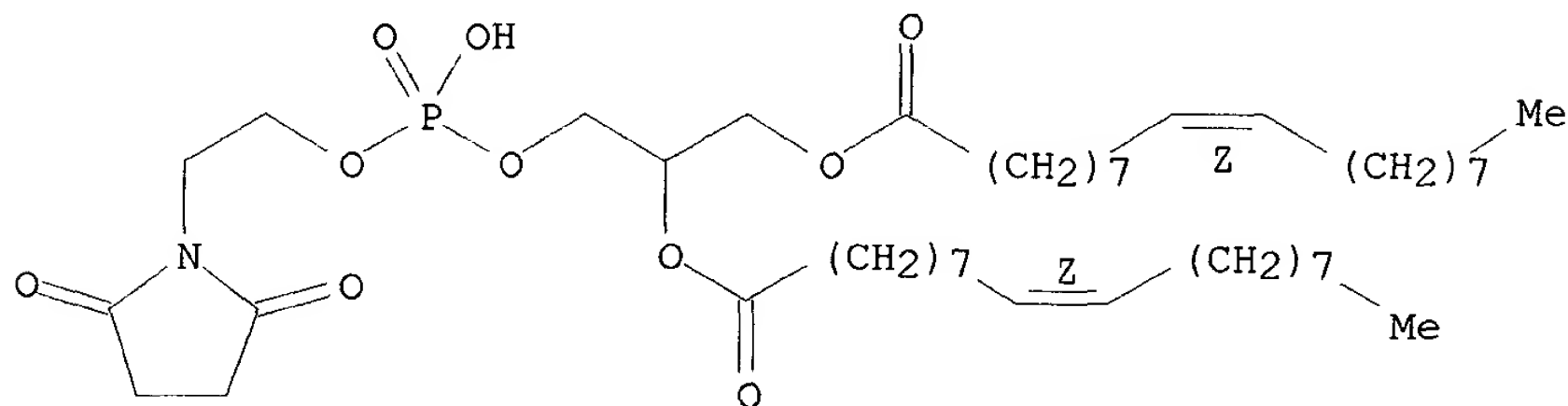
Schnizer 09/627,787



RN 97782-02-0 HCAPLUS

CN 9-Octadecenoic acid (9Z)-, 1-[[[2-(2,5-dioxo-1-pyrrolidinyl)ethoxy]hydroxyphosphinyl]oxy]methyl]-1,2-ethanediyl ester
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RE.CNT 71

RE

(2) Anon; EP 0107559 1984 HCAPLUS

(3) Anon; EP 0077752 B1 1986 HCAPLUS

(4) Anon; EP 0231091 1987 HCAPLUS

(6) Anon; EP 0272091 1988 HCAPLUS

(10) Anon; EP 0361894 1990 HCAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT